

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091225\
 Data File : VV039056.D
 Acq On : 12 Sep 2025 13:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050329

Quant Time: Sep 12 23:58:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	904044	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	895436	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	458556	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	359755	43.319	ug/L	0.00
7) Chloroethane-d5	1.542	69	292943	44.594	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.069	65	160129	44.704	ug/L	0.00
21) 2-Butanone-d5	3.786	46	325751	99.955	ug/L	0.00
24) Chloroform-d	4.249	84	658951	48.113	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	380211	47.140	ug/L	0.00
32) Benzene-d6	4.957	84	1260082	48.541	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	381760	44.947	ug/L	0.00
41) Toluene-d8	7.233	98	1160627	47.892	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	186897	46.560	ug/L	0.00
47) 2-Hexanone-d5	8.014	63	241298	99.798	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	615669	50.902	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	399900	46.434	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	323465	47.086	ug/L	99
3) Chloromethane	1.227	50	367850	47.748	ug/L	98
5) Vinyl chloride	1.294	62	409412	46.211	ug/L	99
6) Bromomethane	1.497	94	222451	45.072	ug/L	100
8) Chloroethane	1.561	64	260294	46.215	ug/L	98
9) Trichlorofluoromethane	1.725	101	598435	47.911	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	360617	46.041	ug/L	100
12) 1,1-Dichloroethene	2.079	96	324812	46.697	ug/L	97
13) Acetone	2.117	43	558638	93.106	ug/L	97
14) Carbon disulfide	2.249	76	994999	43.715	ug/L	99
15) Methyl Acetate	2.378	43	379221	48.605	ug/L	99
16) Methylene chloride	2.455	84	375107	48.997	ug/L	100
17) trans-1,2-Dichloroethene	2.703	96	339669	49.071	ug/L	100
18) Methyl tert-butyl Ether	2.709	73	978359	49.319	ug/L	99
19) 1,1-Dichloroethane	3.117	63	640679	49.759	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	363467	49.138	ug/L	98
22) 2-Butanone	3.860	43	538582	106.336	ug/L	97
23) Bromochloromethane	4.146	128	195963	48.424	ug/L	97
25) Chloroform	4.275	83	672832	48.951	ug/L	100
27) 1,2-Dichloroethane	5.037	62	498737	49.830	ug/L	99
29) Cyclohexane	4.584	56	564586	50.751	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	589988	48.878	ug/L	100
31) Carbon tetrachloride	4.735	117	524267	48.829	ug/L	100
33) Benzene	5.008	78	1434304	51.379	ug/L	100
34) Trichloroethene	5.828	95	362631	47.927	ug/L	97
35) Methylcyclohexane	6.047	83	607340	50.160	ug/L	98
37) 1,2-Dichloropropane	6.085	63	380534	50.939	ug/L	98
38) Bromodichloromethane	6.426	83	511445	48.635	ug/L	97
39) cis-1,3-Dichloropropene	6.947	75	585424	49.154	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	996387	105.108	ug/L	99
42) Toluene	7.307	91	1540443	50.086	ug/L	99
44) trans-1,3-Dichloropropene	7.571	75	572510	49.862	ug/L	97

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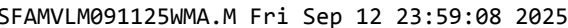
Instrument :
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 ClientSampleId :
 VSTD050329

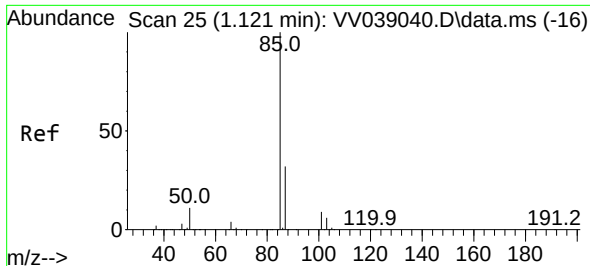
Quant Time: Sep 12 23:58:58 2025
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.760	97	390529	49.382	ug/L	98
46) Tetrachloroethene	7.895	164	284350	48.450	ug/L	97
48) 2-Hexanone	8.063	43	801740	121.261	ug/L	98
49) Dibromochloromethane	8.165	129	404315	48.367	ug/L	99
50) 1,2-Dibromoethane	8.272	107	413618	50.081	ug/L	99
51) Chlorobenzene	8.802	112	974759	48.782	ug/L	100
52) Ethylbenzene	8.937	91	1642505	50.755	ug/L	99
53) m,p-Xylene	9.063	106	639068	51.607	ug/L	99
54) o-Xylene	9.468	106	601869	52.475	ug/L	99
55) Styrene	9.484	104	1119921	55.285	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.165	83	661254	51.851	ug/L	99
59) Bromoform	9.654	173	299145	48.409	ug/L	100
60) Isopropylbenzene	9.857	105	1639206	51.939	ug/L	100
61) 1,2,3-Trichloropropane	10.198	75	505234	52.431	ug/L	98
62) 1,3,5-Trimethylbenzene	10.464	105	1306154	52.914	ug/L	98
63) 1,2,4-Trimethylbenzene	10.841	105	1311406	53.604	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	761286	50.669	ug/L	99
65) 1,4-Dichlorobenzene	11.198	146	790734	49.165	ug/L	99
67) 1,2-Dichlorobenzene	11.564	146	737253	49.062	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.349	75	140330	51.865	ug/L	91
69) 1,3,5-Trichlorobenzene	12.570	180	490110	50.532	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	412644	48.932	ug/L	98
71) Naphthalene	13.426	128	1507984	53.487	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	461401	52.700	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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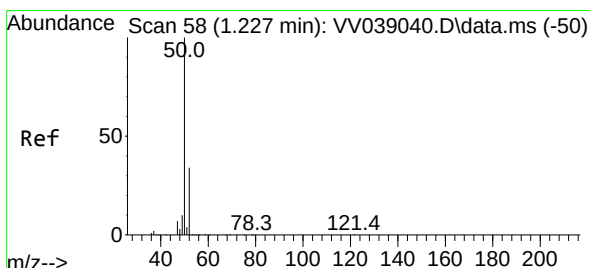
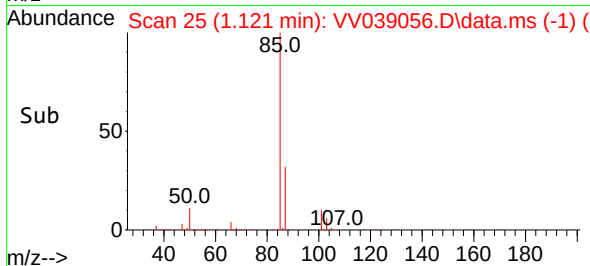
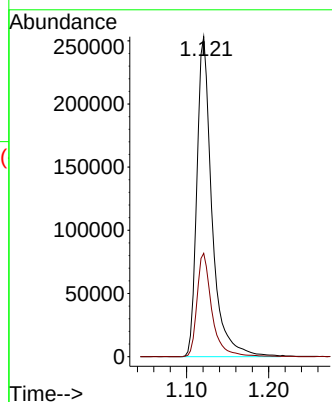
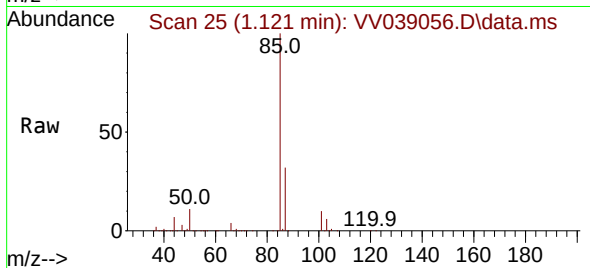




#2
 Dichlorodifluoromethane
 Concen: 47.086 ug/L
 RT: 1.121 min Scan# 25
 Delta R.T. 0.000 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

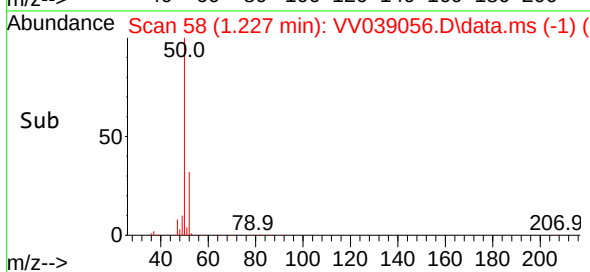
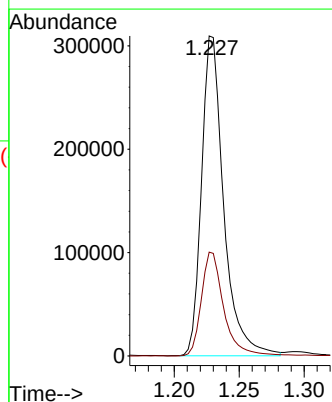
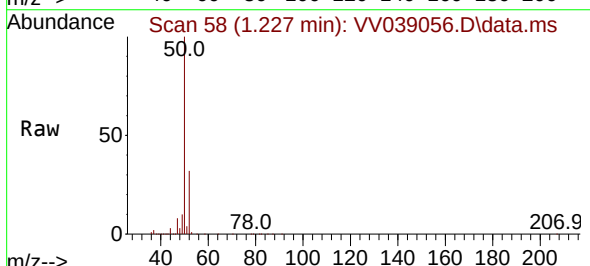
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050329

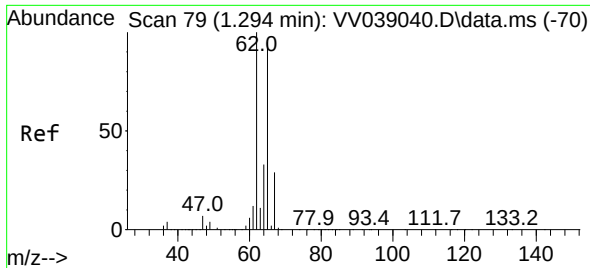
Tgt Ion: 85 Resp: 323465
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.8



#3
 Chloromethane
 Concen: 47.748 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

Tgt Ion: 50 Resp: 367850
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.6 43.8

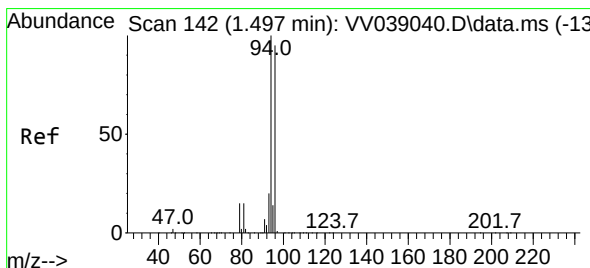
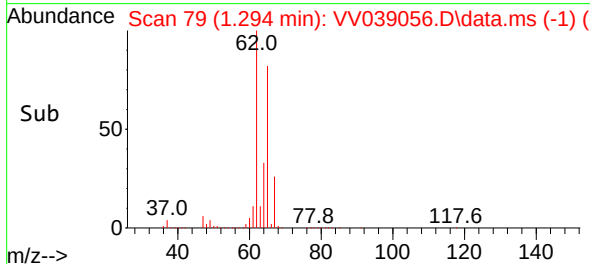
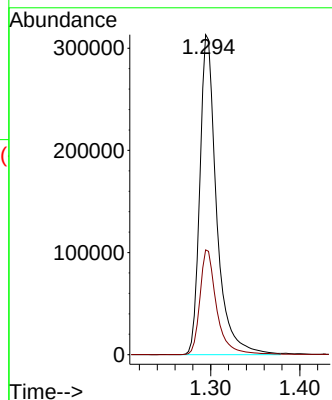
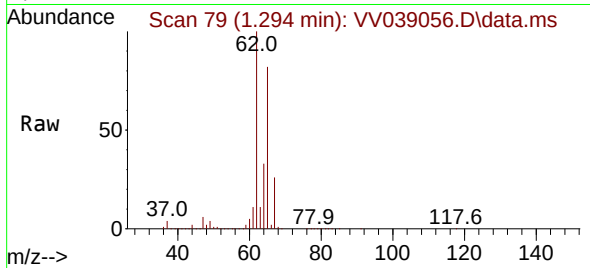




#5
 Vinyl chloride
 Concen: 46.211 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

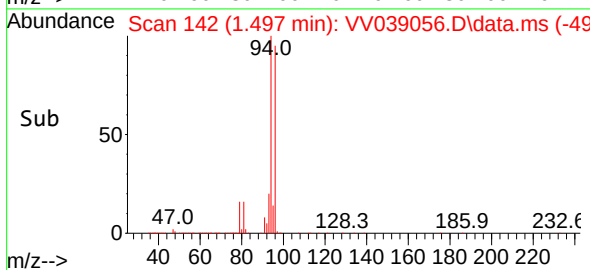
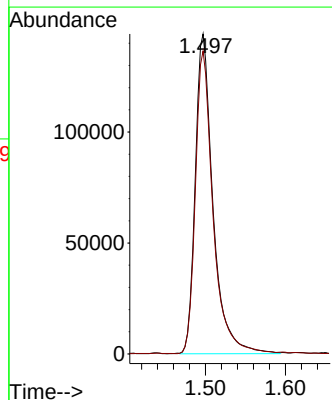
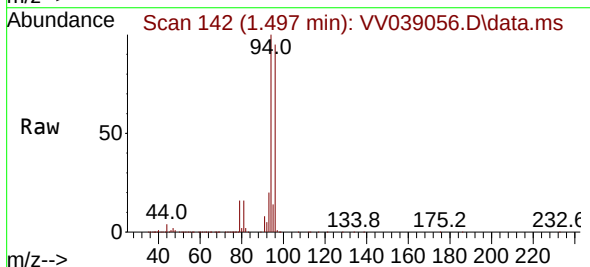
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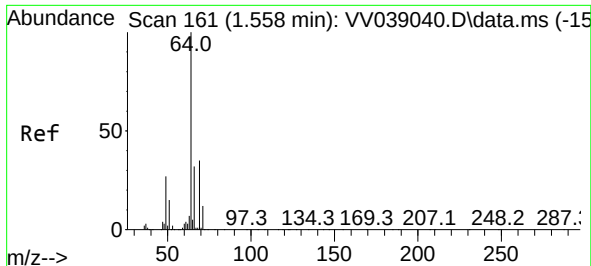
Tgt Ion: 62 Resp: 409412
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.4 43.4



#6
 Bromomethane
 Concen: 45.072 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

Tgt Ion: 94 Resp: 222451
 Ion Ratio Lower Upper
 94 100
 96 94.7 66.3 123.1

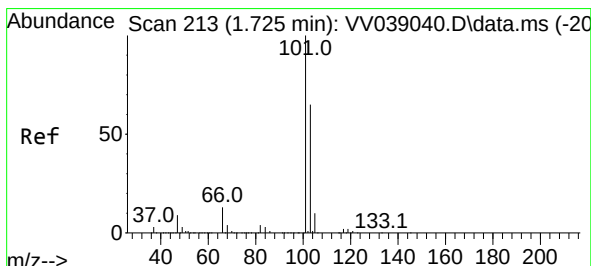
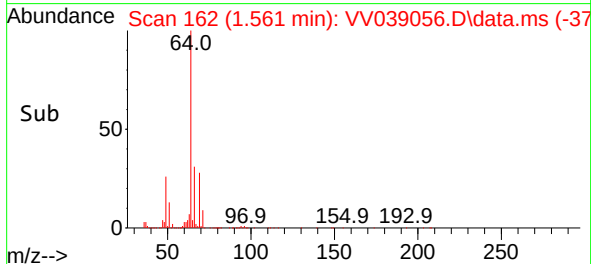
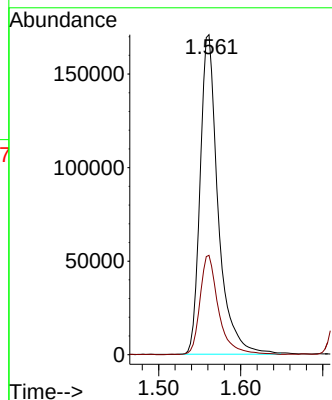
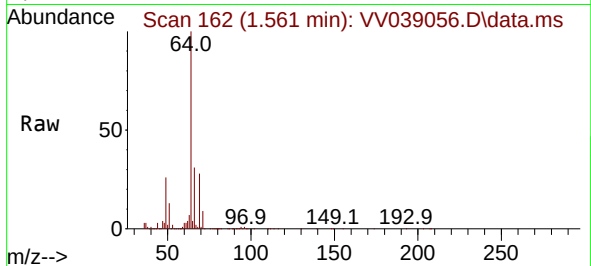




#8
Chloroethane
Concen: 46.215 ug/L
RT: 1.561 min Scan# 161
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

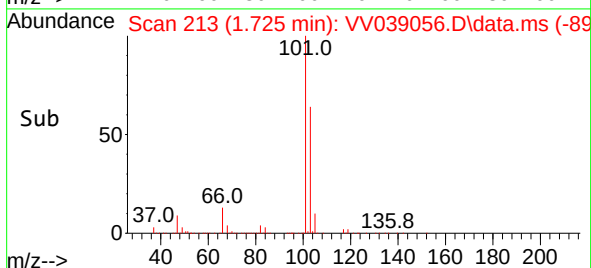
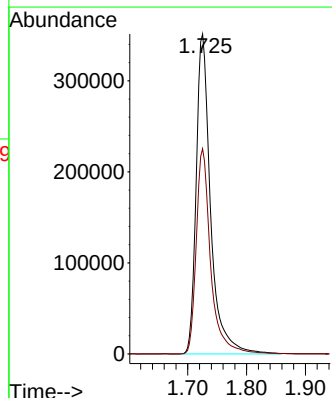
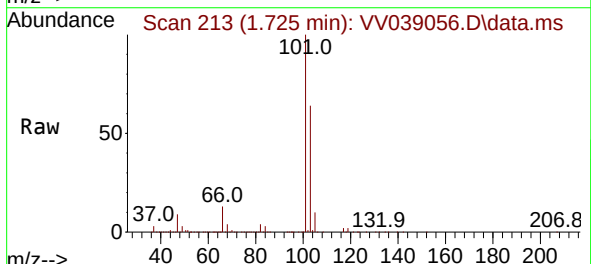
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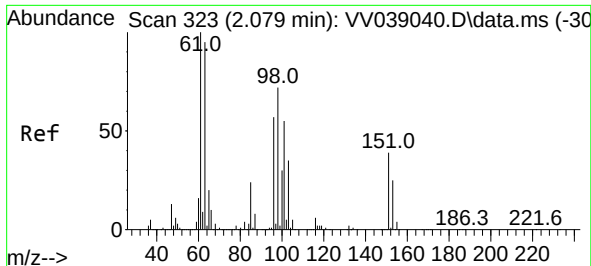
Tgt Ion: 64 Resp: 260294
Ion Ratio Lower Upper
64 100
66 31.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 47.911 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion: 101 Resp: 598435
Ion Ratio Lower Upper
101 100
103 64.0 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 46.041 ug/L

RT: 2.079 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050329

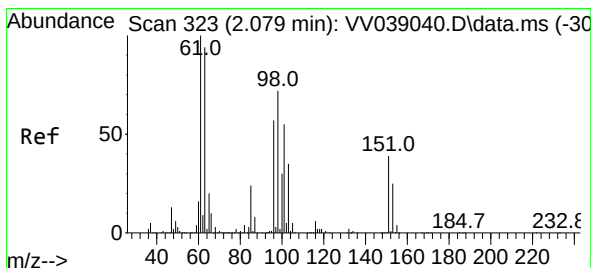
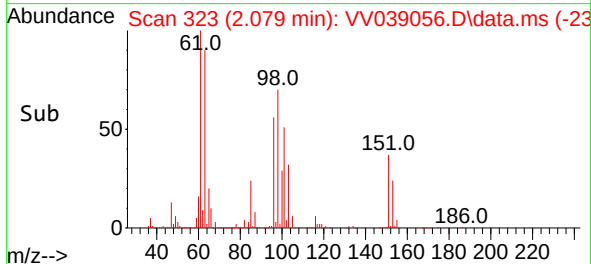
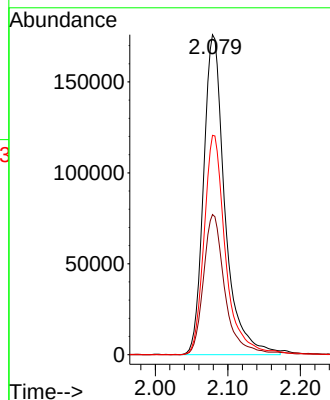
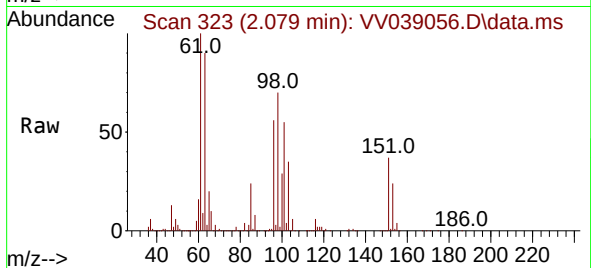
Tgt Ion:101 Resp: 360617

Ion Ratio Lower Upper

101 100

85 43.7 34.7 52.1

151 68.3 54.6 81.8



#12

1,1-Dichloroethene

Concen: 46.697 ug/L

RT: 2.079 min Scan# 323

Delta R.T. 0.000 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

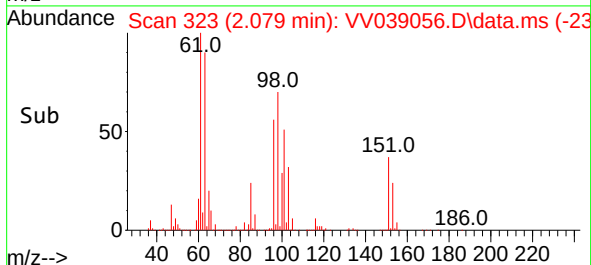
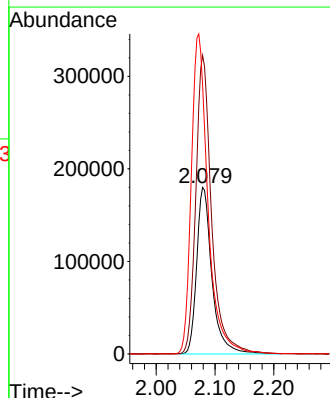
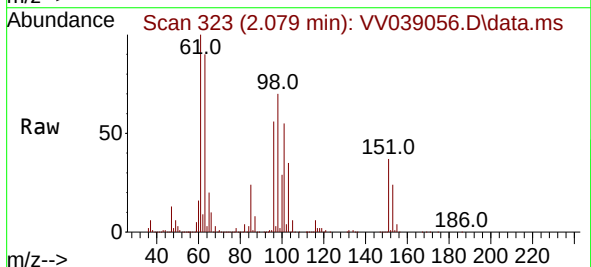
Tgt Ion: 96 Resp: 324812

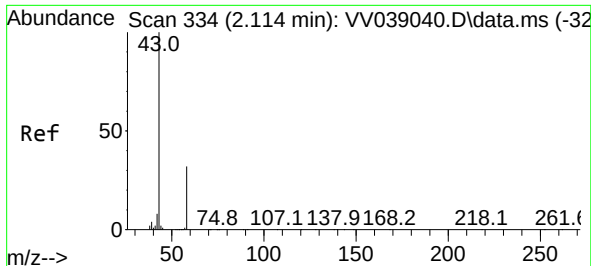
Ion Ratio Lower Upper

96 100

61 179.4 123.3 229.1

63 161.6 116.6 216.6





#13

Acetone

Concen: 93.106 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

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ClientSampleId :

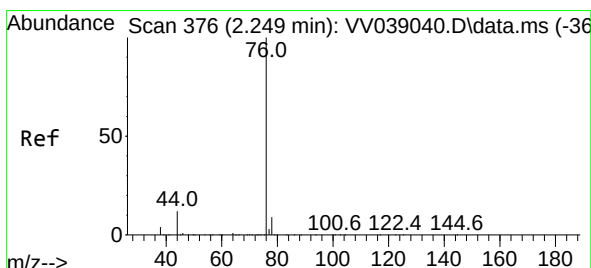
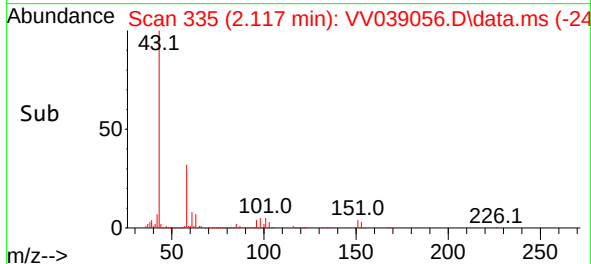
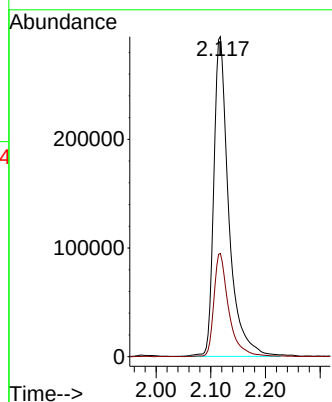
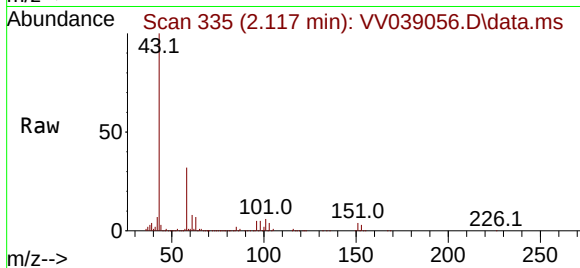
VSTD050329

Tgt Ion: 43 Resp: 558638

Ion Ratio Lower Upper

43 100

58 31.3 0.0 65.8



#14

Carbon disulfide

Concen: 43.715 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.000 min

Lab File: VV039056.D

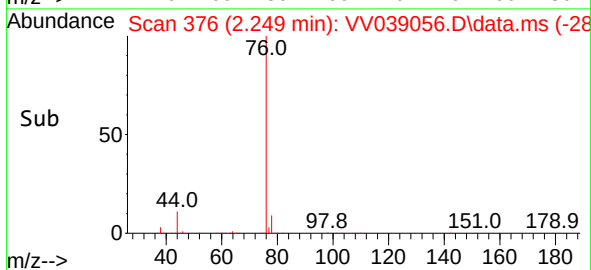
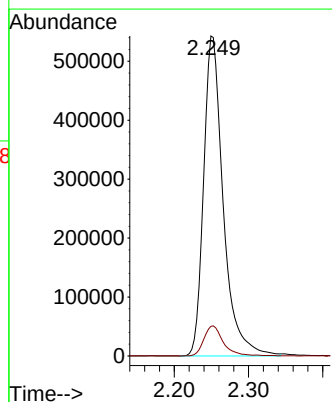
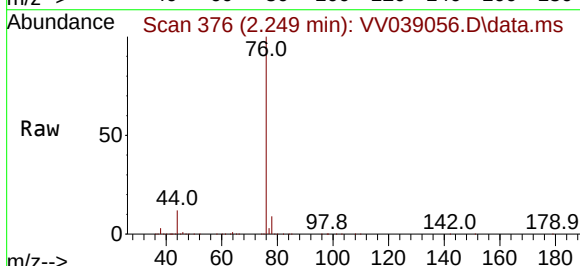
Acq: 12 Sep 2025 13:00

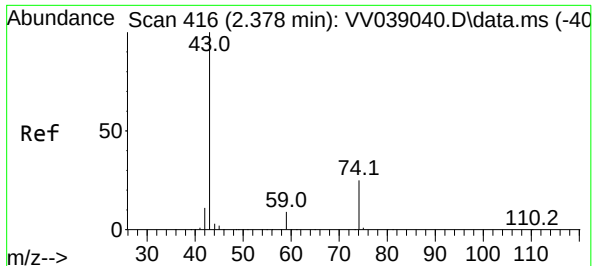
Tgt Ion: 76 Resp: 994999

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

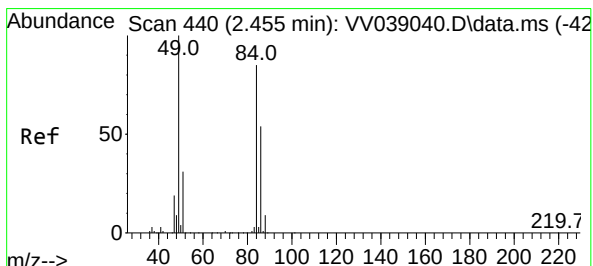
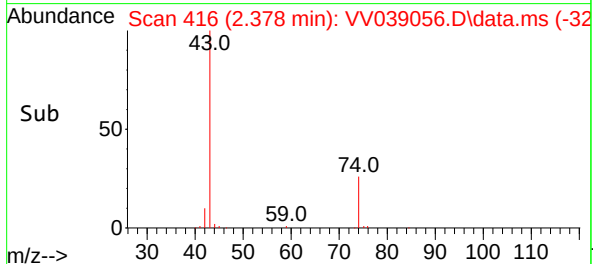
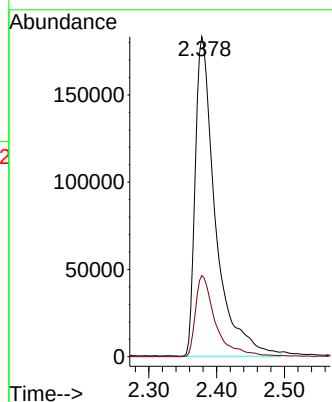
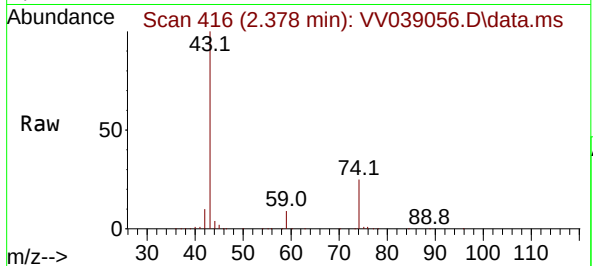




#15
Methyl Acetate
Concen: 48.605 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

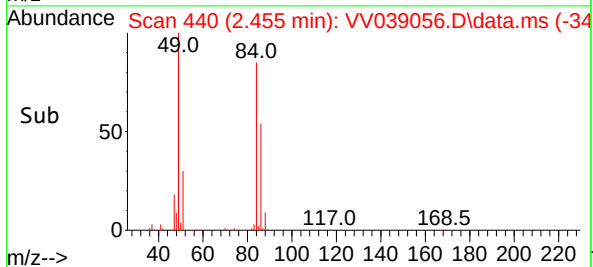
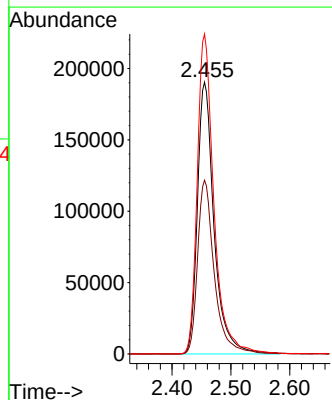
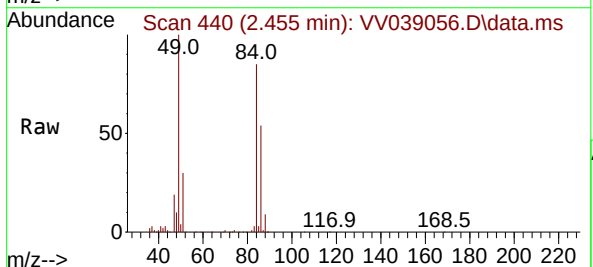
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

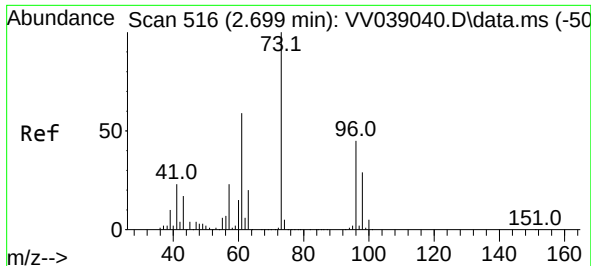
Tgt Ion: 43 Resp: 379221
Ion Ratio Lower Upper
43 100
74 25.0 19.6 29.4



#16
Methylene chloride
Concen: 48.997 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion: 84 Resp: 375107
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 117.7 82.0 152.4

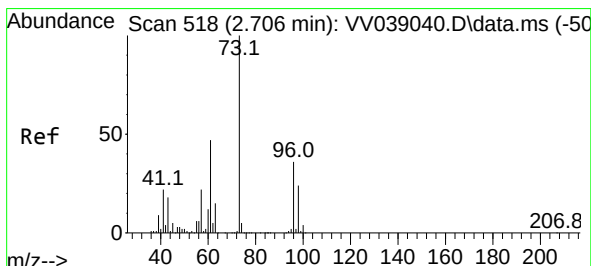
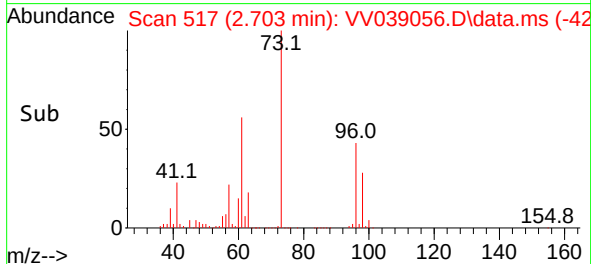
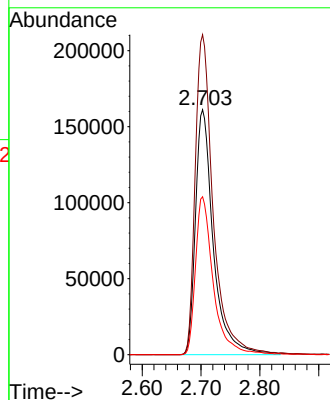
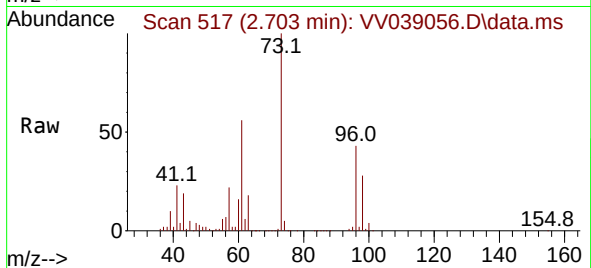




#17
trans-1,2-Dichloroethene
Concen: 49.071 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

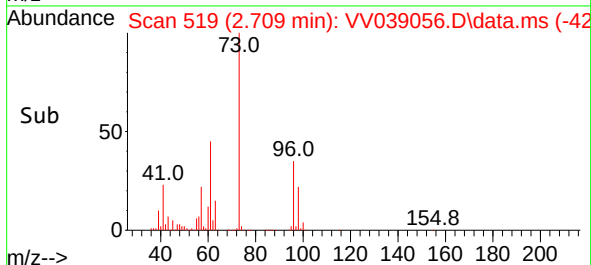
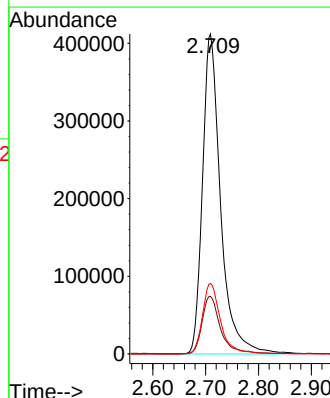
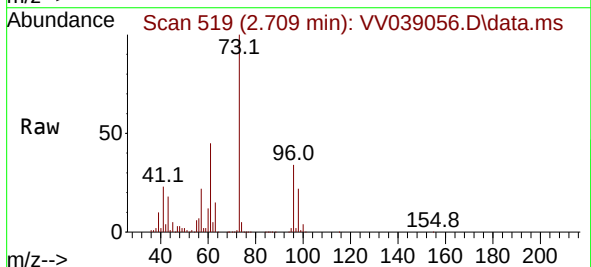
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

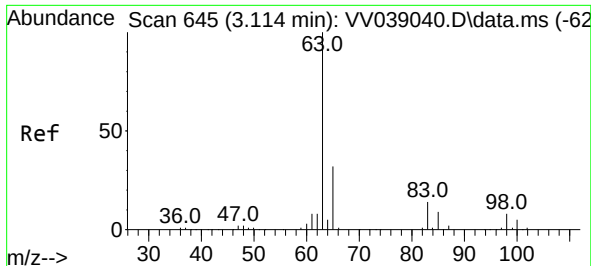
Tgt Ion: 96 Resp: 339669
Ion Ratio Lower Upper
96 100
61 130.7 91.3 169.5
98 64.5 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 49.319 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion: 73 Resp: 978359
Ion Ratio Lower Upper
73 100
43 18.1 14.2 21.4
57 22.2 17.5 26.3

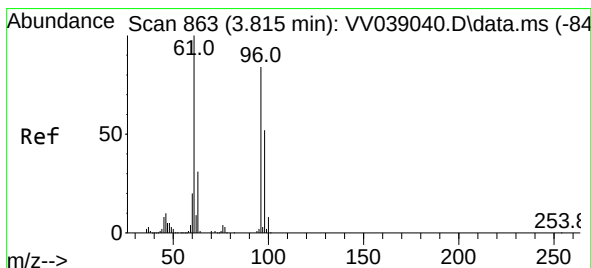
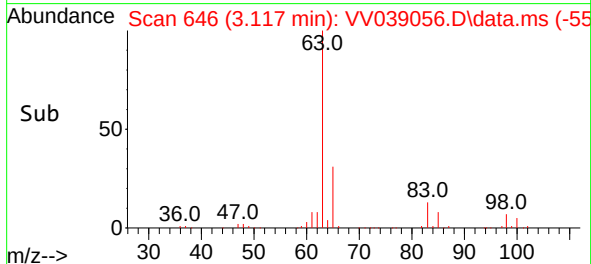
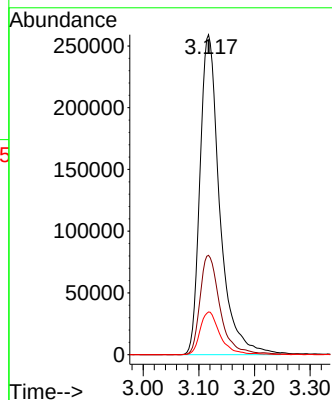
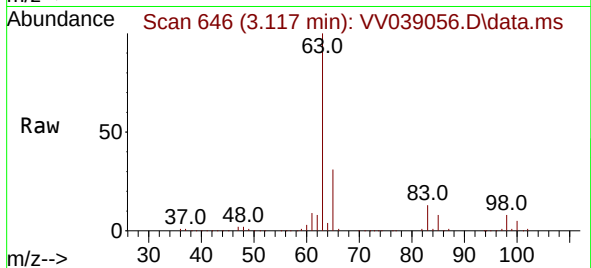




#19
 1,1-Dichloroethane
 Concen: 49.759 ug/L
 RT: 3.117 min Scan# 645
 Delta R.T. 0.003 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

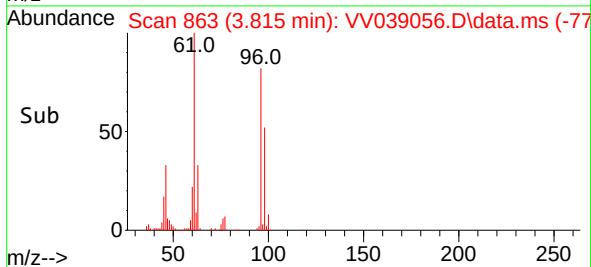
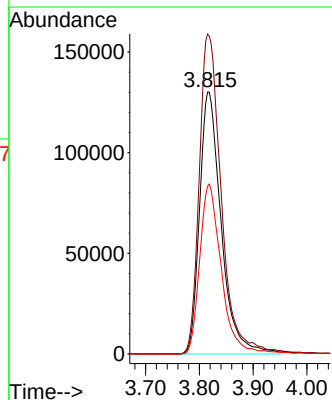
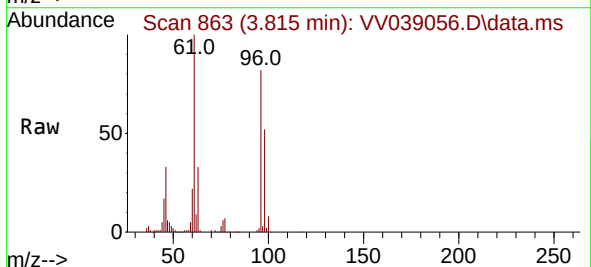
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050329

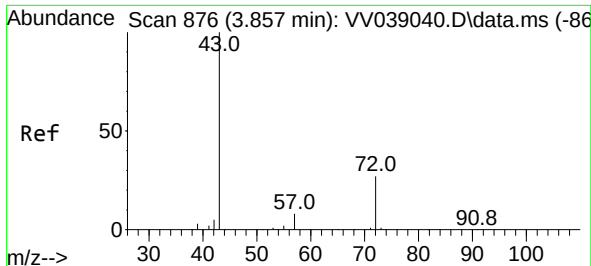
Tgt Ion: 63 Resp: 640679
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.4 41.6
 83 13.4 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.138 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.000 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

Tgt Ion: 96 Resp: 363467
 Ion Ratio Lower Upper
 96 100
 61 122.2 83.8 155.6
 98 64.0 43.5 80.9

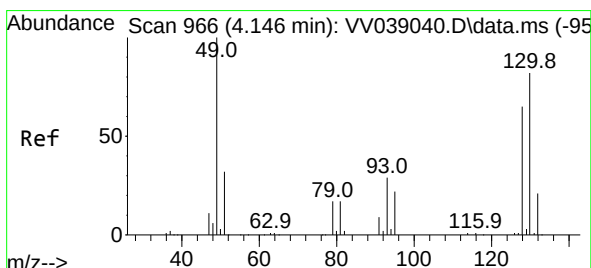
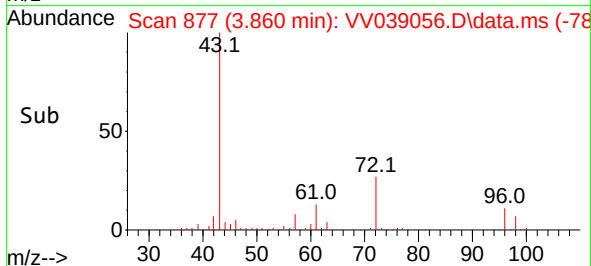
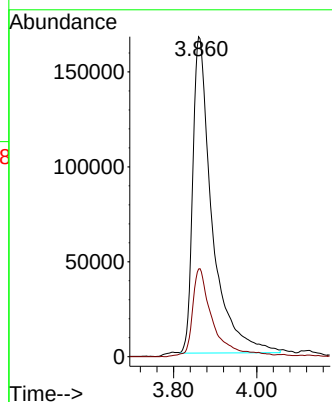
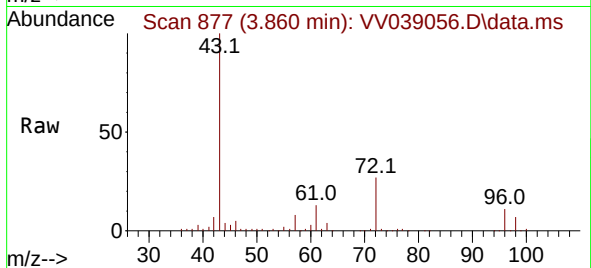




#22
2-Butanone
Concen: 106.336 ug/L
RT: 3.860 min Scan# 876
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

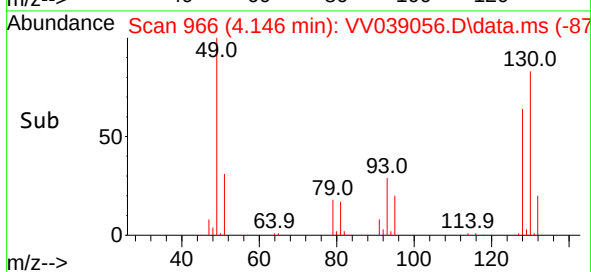
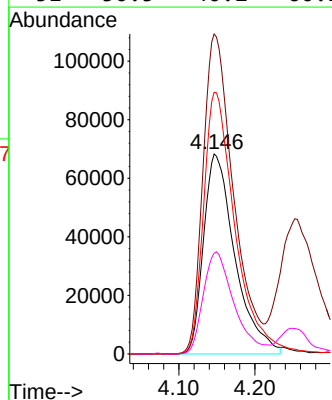
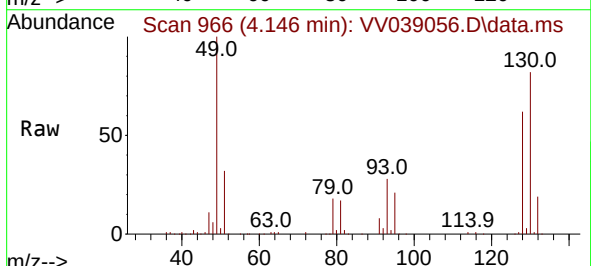
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

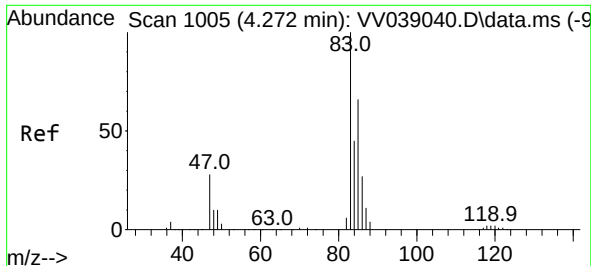
Tgt Ion: 43 Resp: 538582
Ion Ratio Lower Upper
43 100
72 27.7 13.2 39.5



#23
Bromochloromethane
Concen: 48.424 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion:128 Resp: 195963
Ion Ratio Lower Upper
128 100
49 160.1 108.4 201.4
130 130.9 89.1 165.5
51 50.5 40.2 60.2

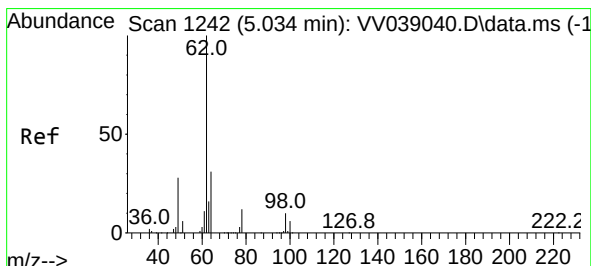
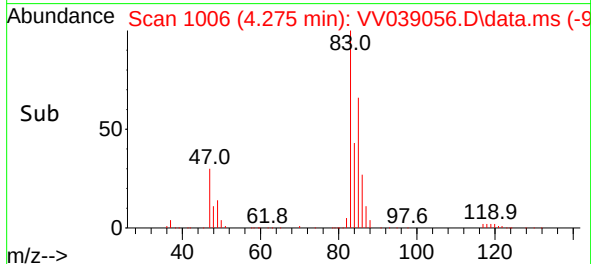
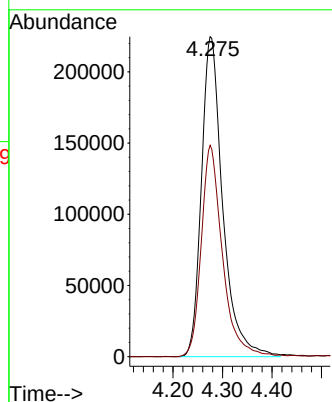
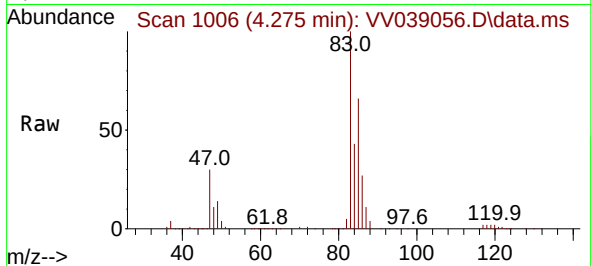




#25
Chloroform
Concen: 48.951 ug/L
RT: 4.275 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

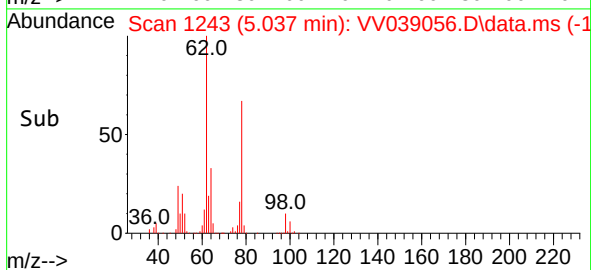
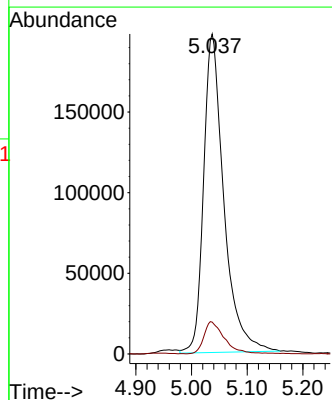
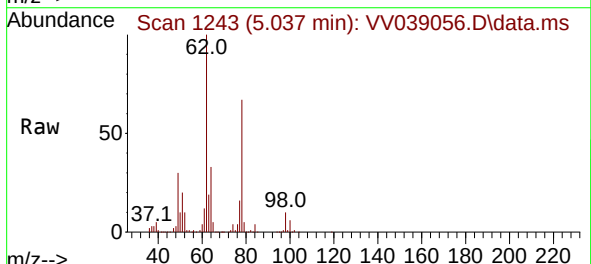
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

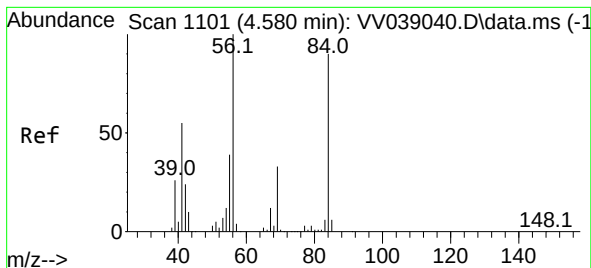
Tgt Ion: 83 Resp: 672832
Ion Ratio Lower Upper
83 100
85 66.1 46.1 85.5



#27
1,2-Dichloroethane
Concen: 49.830 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion: 62 Resp: 498737
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.4





#29

Cyclohexane

Concen: 50.751 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050329

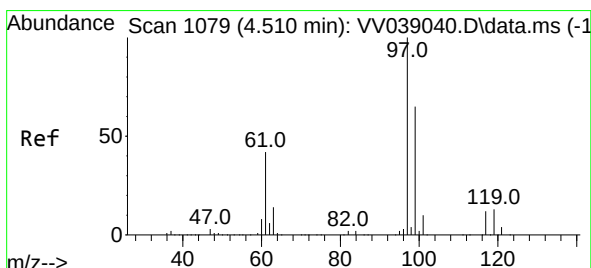
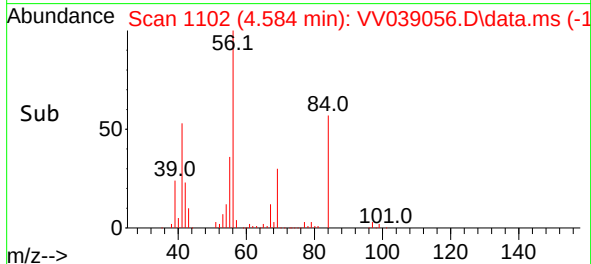
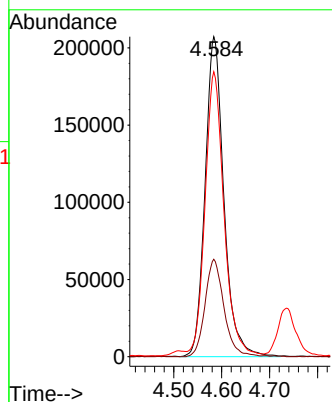
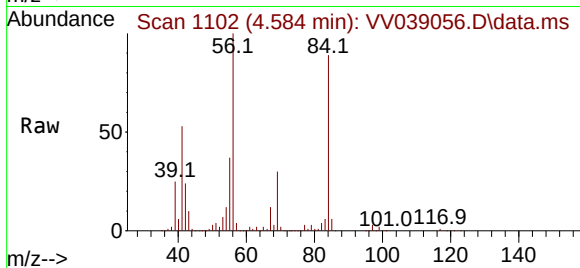
Tgt Ion: 56 Resp: 564586

Ion Ratio Lower Upper

56 100

69 30.6 25.1 37.7

84 89.4 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 48.878 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

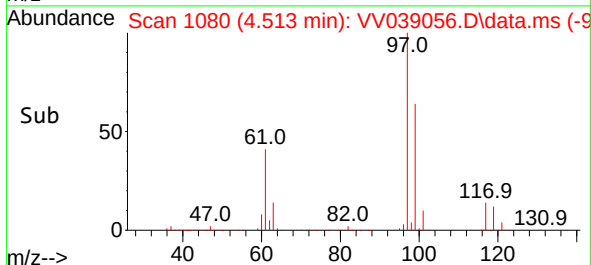
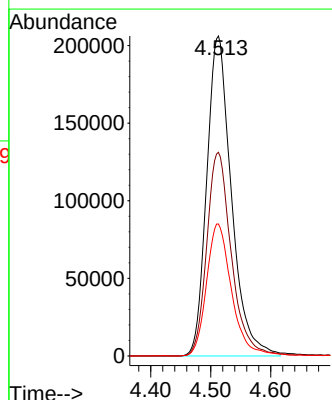
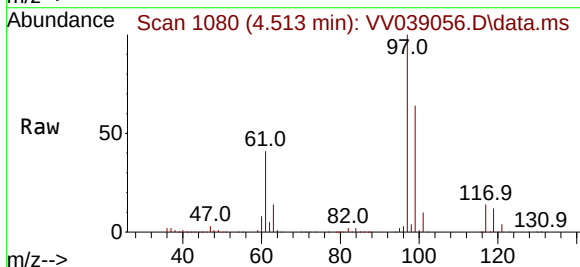
Tgt Ion: 97 Resp: 589988

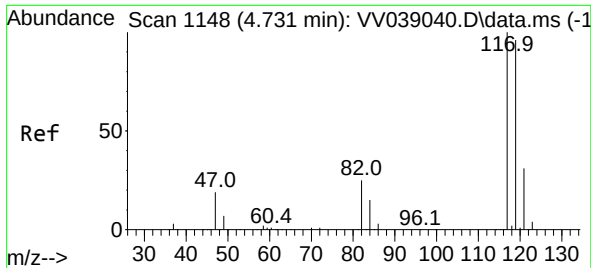
Ion Ratio Lower Upper

97 100

99 63.5 51.1 76.7

61 41.8 33.7 50.5

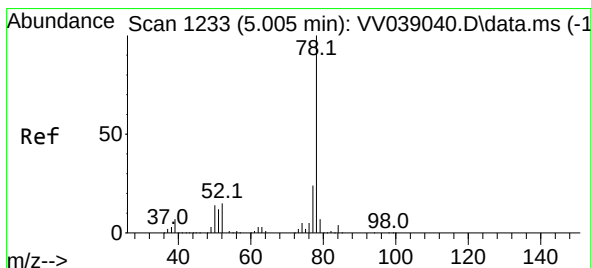
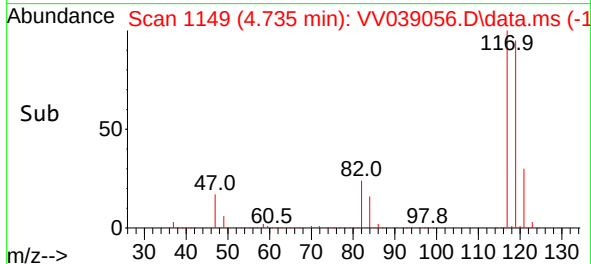
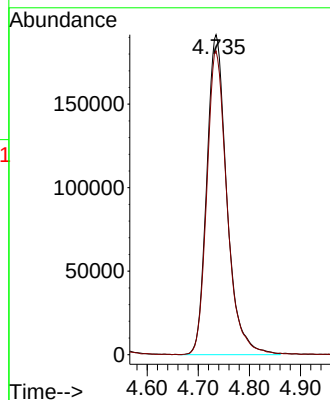
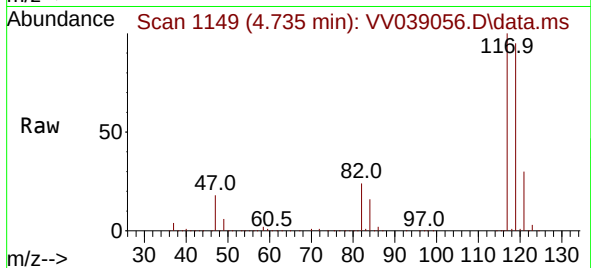




#31
Carbon tetrachloride
Concen: 48.829 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

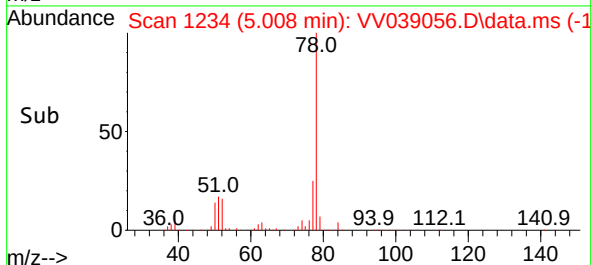
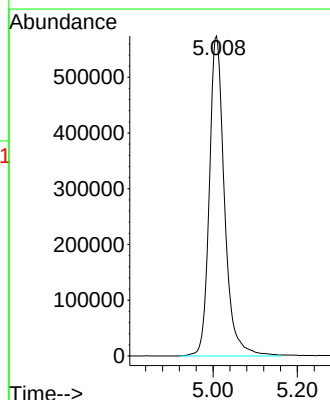
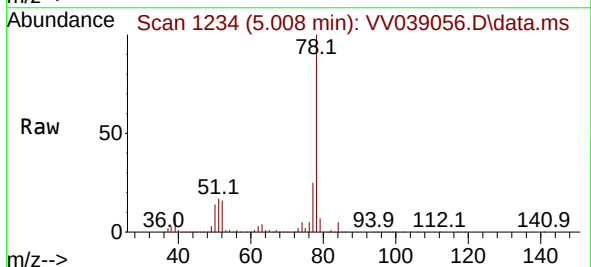
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

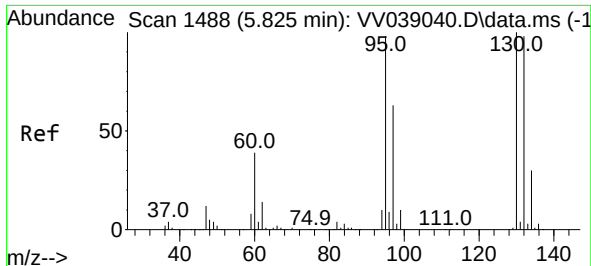
Tgt Ion:117 Resp: 524267
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.4



#33
Benzene
Concen: 51.379 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion: 78 Resp: 1434304



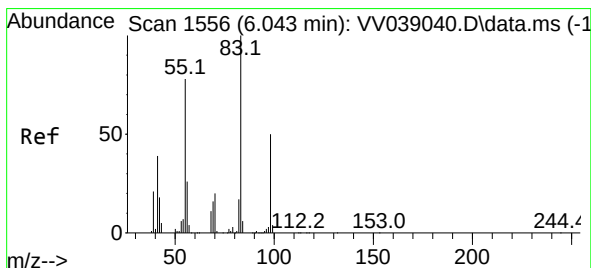
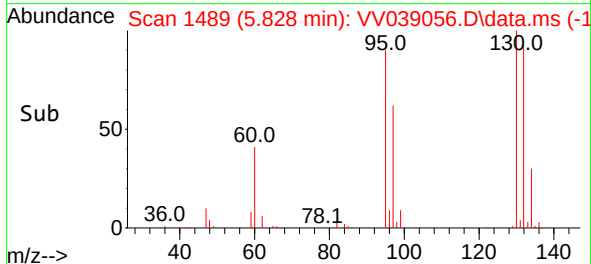
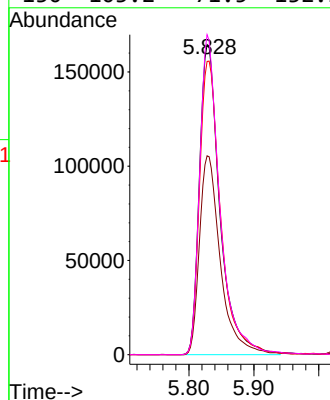
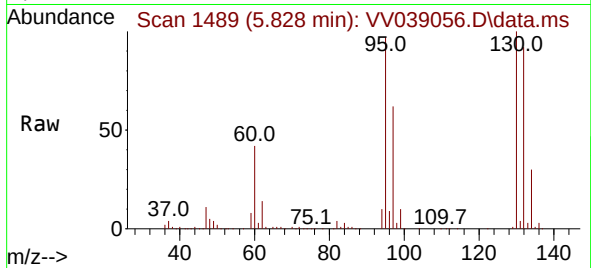


#34
 Trichloroethene
 Concen: 47.927 ug/L
 RT: 5.828 min Scan# 1488
 Delta R.T. 0.003 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050329

Tgt Ion: 95 Resp: 362631

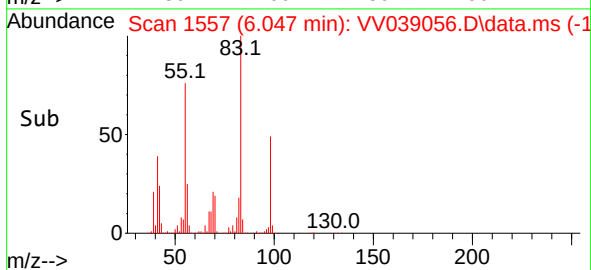
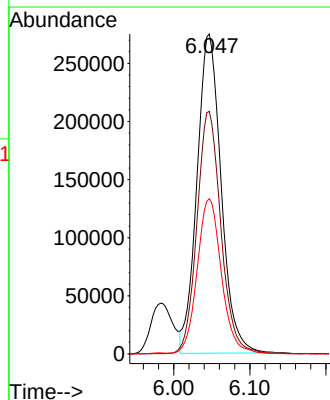
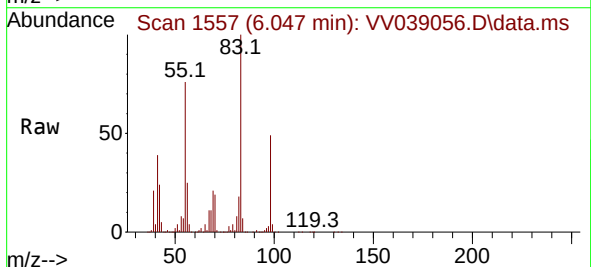
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.4	84.2
132	94.6	69.9	129.7
130	103.2	71.5	132.9

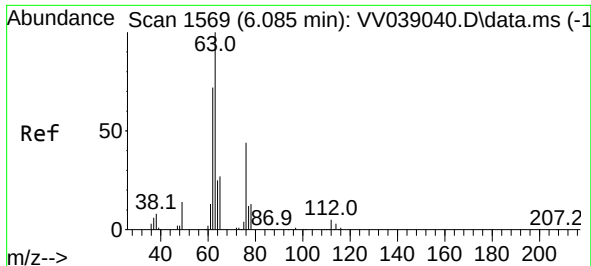


#35
 Methylcyclohexane
 Concen: 50.160 ug/L
 RT: 6.047 min Scan# 1557
 Delta R.T. 0.003 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

Tgt Ion: 83 Resp: 607340

Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.0	88.6
98	48.4	37.7	56.5





#37

1,2-Dichloropropane

Concen: 50.939 ug/L

RT: 6.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

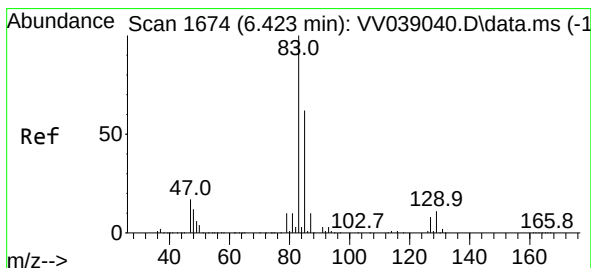
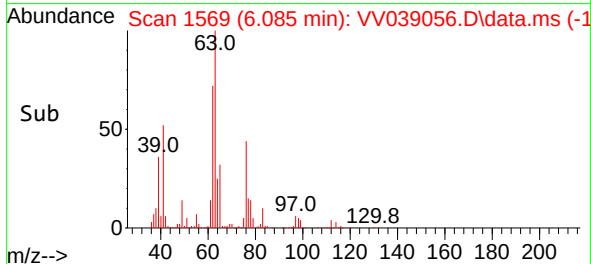
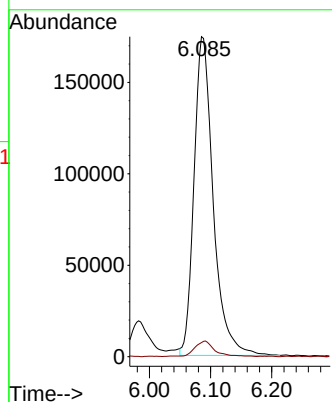
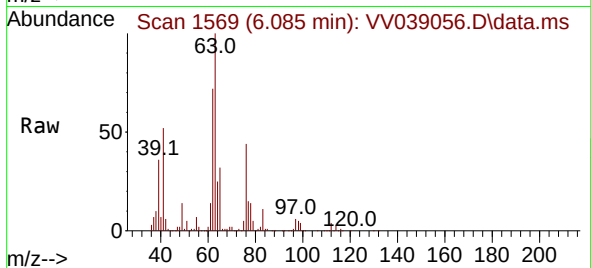
VSTD050329

Tgt Ion: 63 Resp: 380534

Ion Ratio Lower Upper

63 100

112 5.0 3.6 5.4



#38

Bromodichloromethane

Concen: 48.635 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

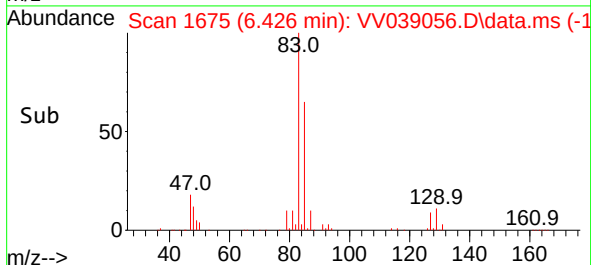
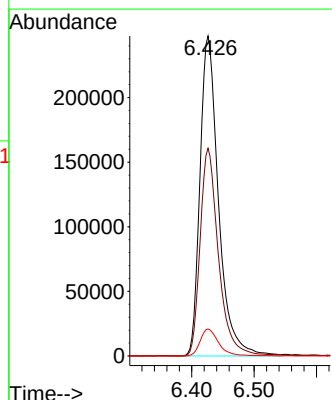
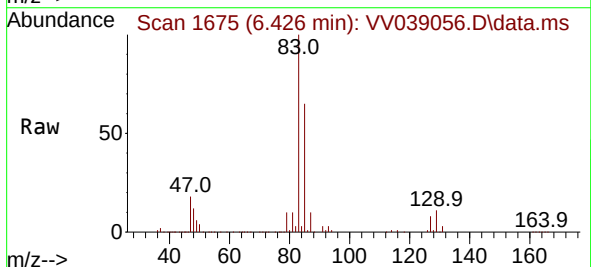
Tgt Ion: 83 Resp: 511445

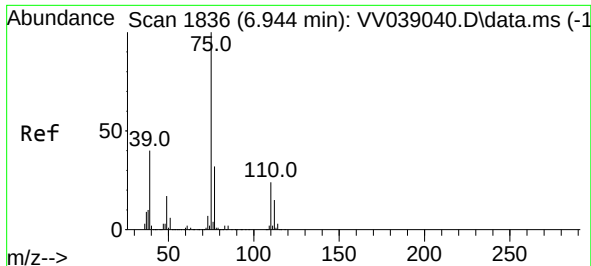
Ion Ratio Lower Upper

83 100

85 64.9 43.5 80.7

127 8.5 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 49.154 ug/L

RT: 6.947 min Scan# 1836

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

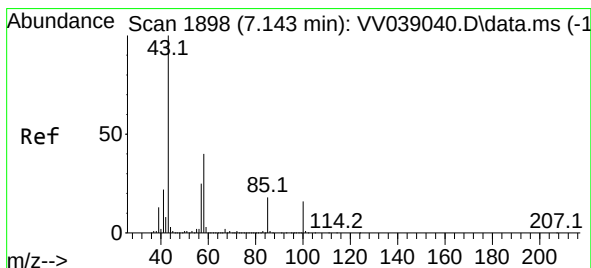
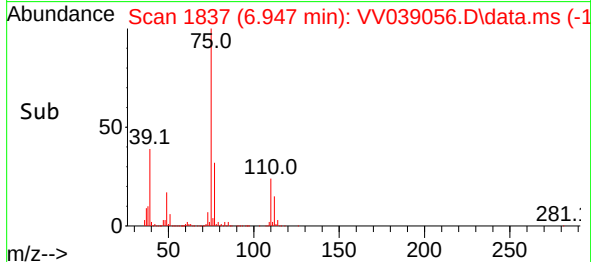
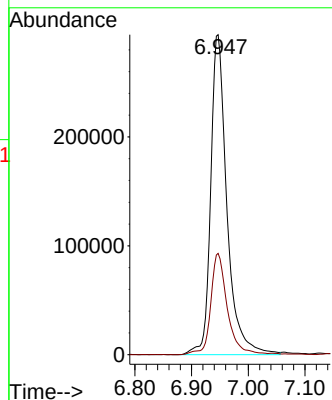
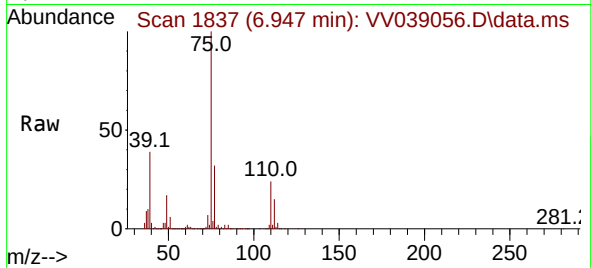
VSTD050329

Tgt Ion: 75 Resp: 585424

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 105.108 ug/L

RT: 7.146 min Scan# 1899

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

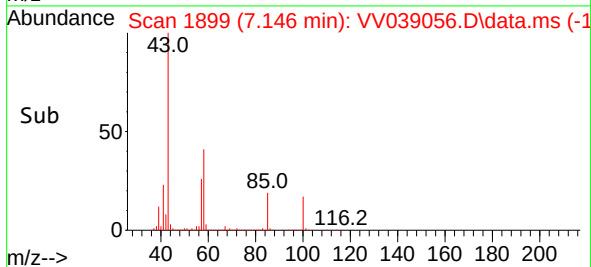
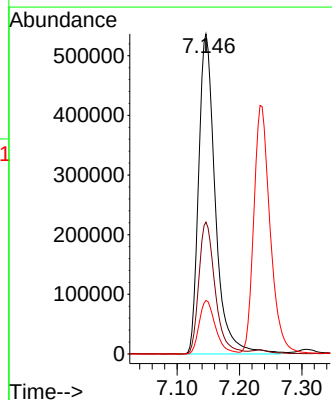
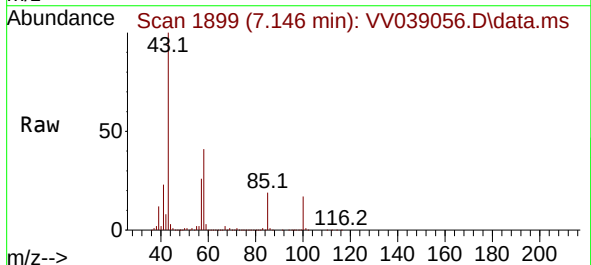
Tgt Ion: 43 Resp: 996387

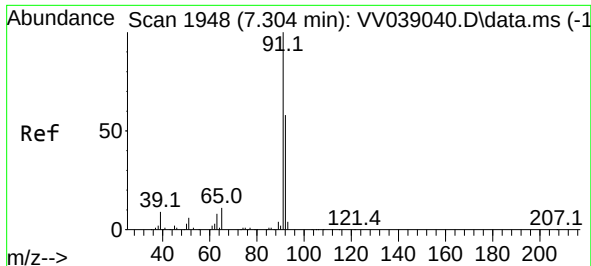
Ion Ratio Lower Upper

43 100

58 40.6 32.6 48.8

100 16.5 12.7 19.1





#42

Toluene

Concen: 50.086 ug/L

RT: 7.307 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

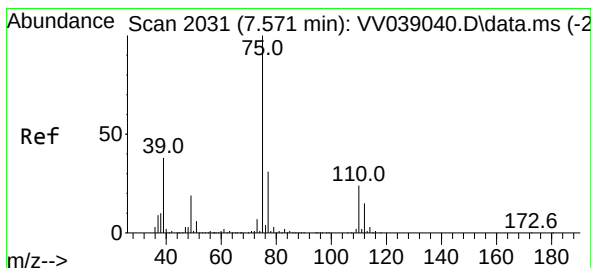
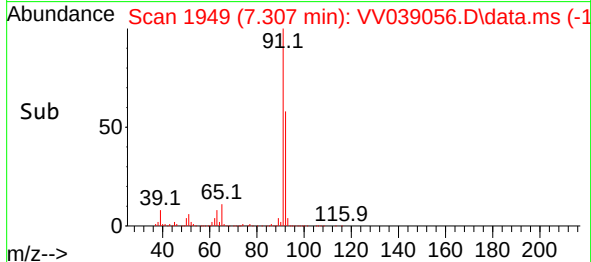
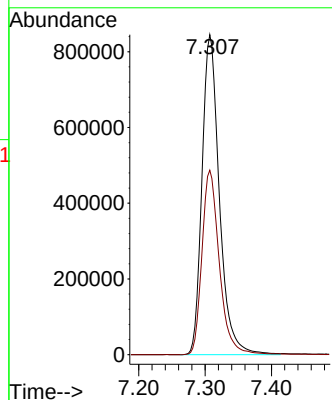
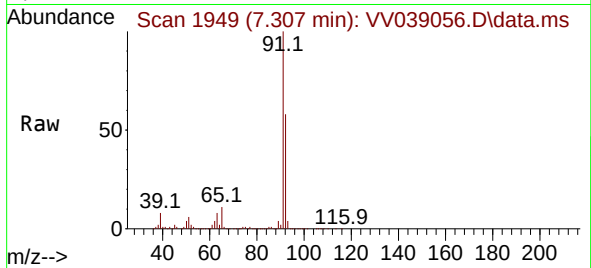
VSTD050329

Tgt Ion: 91 Resp: 1540443

Ion Ratio Lower Upper

91 100

92 57.7 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 49.862 ug/L

RT: 7.571 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VV039056.D

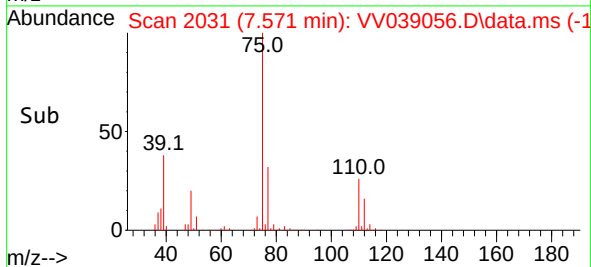
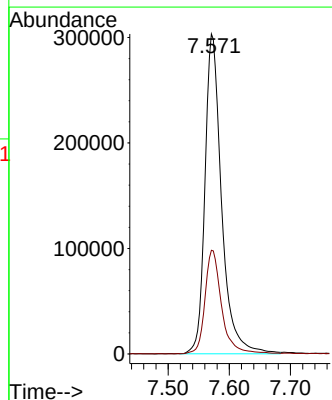
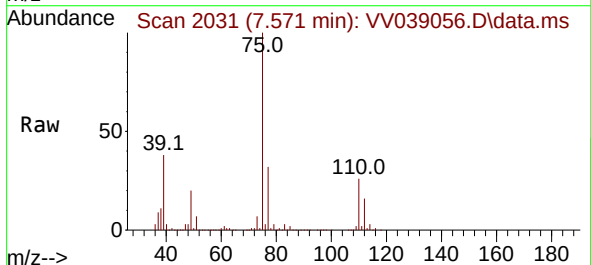
Acq: 12 Sep 2025 13:00

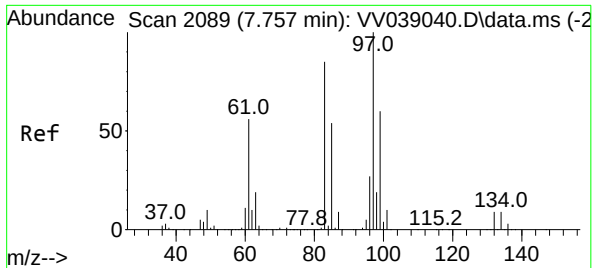
Tgt Ion: 75 Resp: 572510

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.2



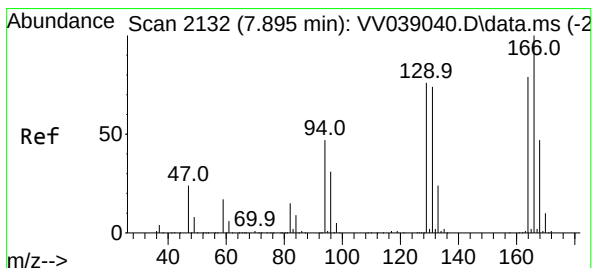
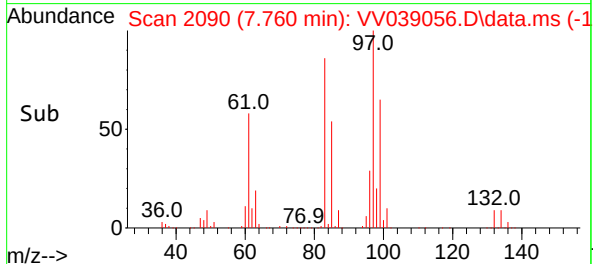
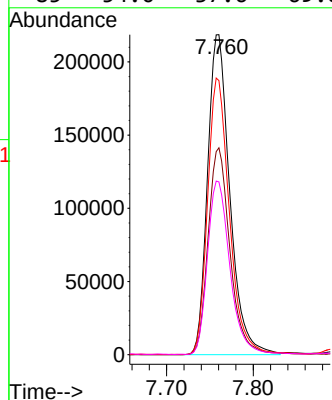
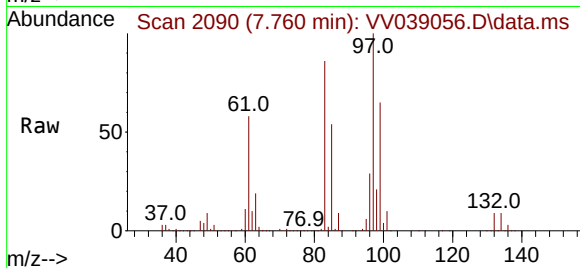


#45
1,1,2-Trichloroethane
Concen: 49.382 ug/L
RT: 7.760 min Scan# 2089
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

Tgt Ion: 97 Resp: 390529

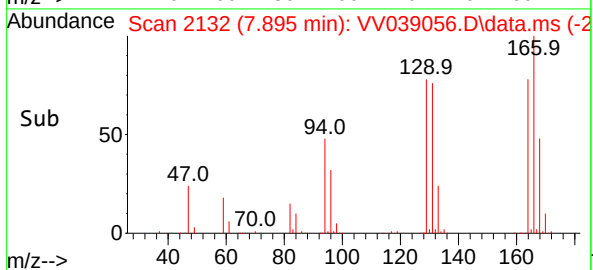
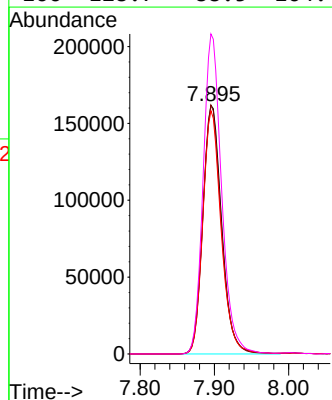
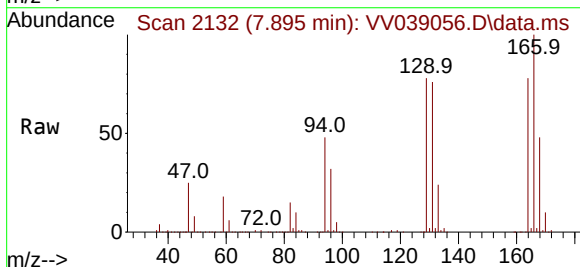
Ion	Ratio	Lower	Upper
97	100		
99	64.7	42.3	78.5
83	85.7	59.4	110.2
85	54.0	37.6	69.8

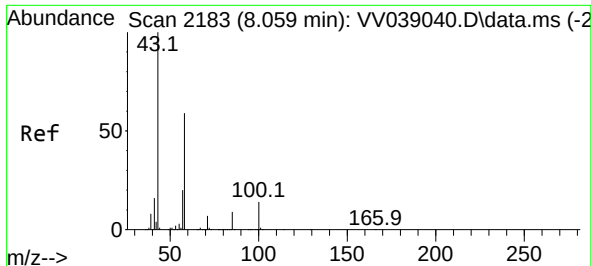


#46
Tetrachloroethene
Concen: 48.450 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion: 164 Resp: 284350

Ion	Ratio	Lower	Upper
164	100		
129	100.1	67.0	124.4
131	97.8	65.6	121.8
166	128.7	88.5	164.4

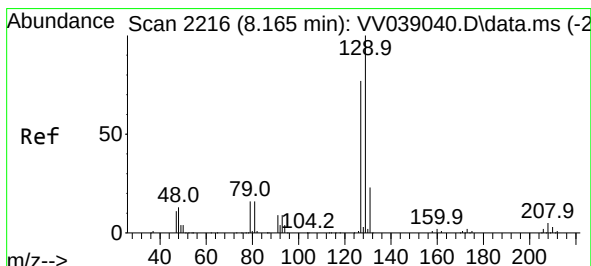
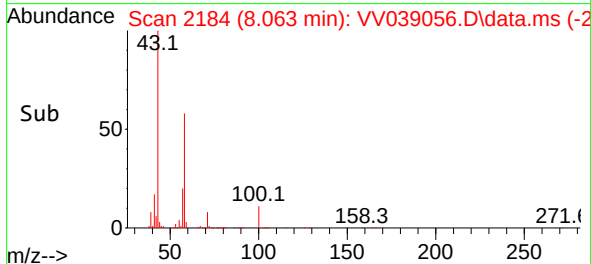
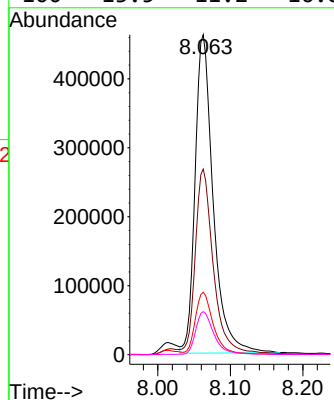
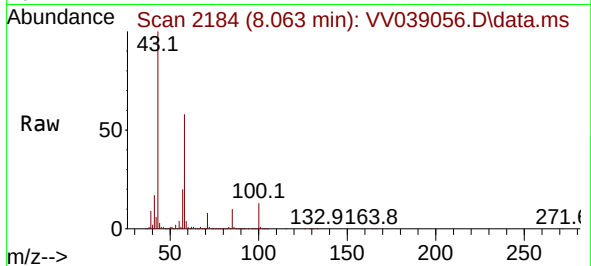




#48
2-Hexanone
Concen: 121.261 ug/L
RT: 8.063 min Scan# 2183
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

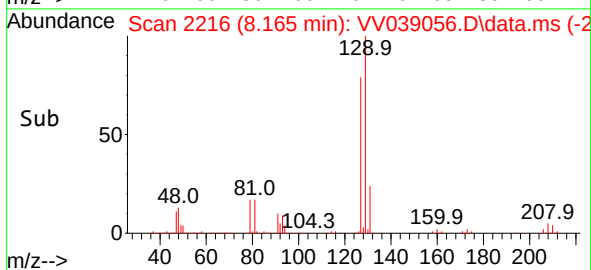
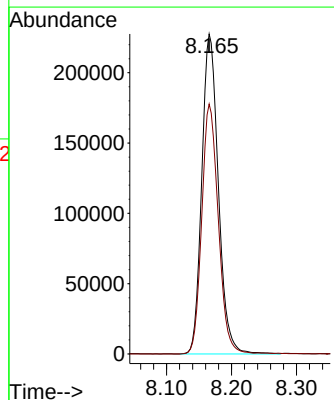
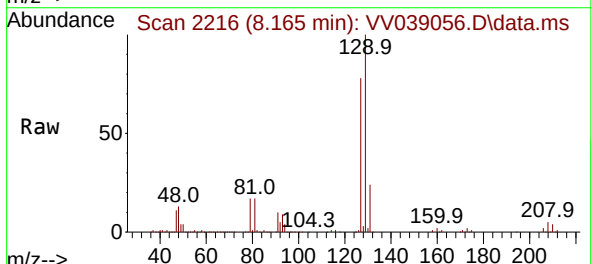
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

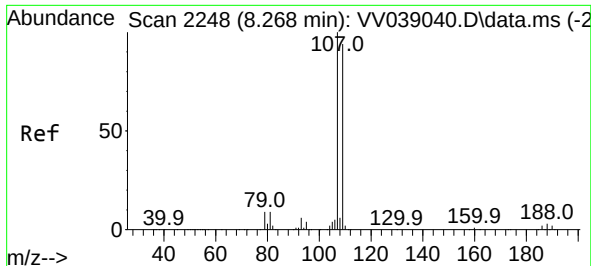
Tgt Ion: 43 Resp: 801740
Ion Ratio Lower Upper
43 100
58 56.3 46.3 69.5
57 19.2 15.8 23.6
100 13.5 11.2 16.8



#49
Dibromochloromethane
Concen: 48.367 ug/L
RT: 8.165 min Scan# 2216
Delta R.T. 0.000 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion: 129 Resp: 404315
Ion Ratio Lower Upper
129 100
127 78.1 53.8 100.0





#50

1,2-Dibromoethane

Concen: 50.081 ug/L

RT: 8.272 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050329

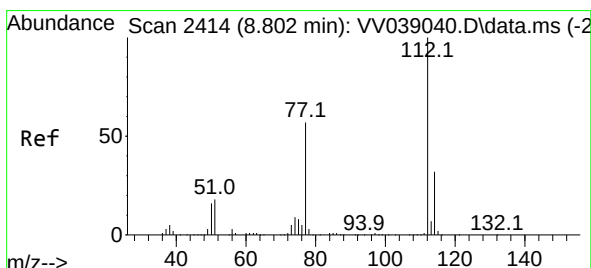
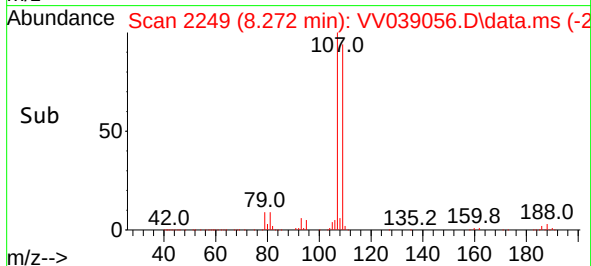
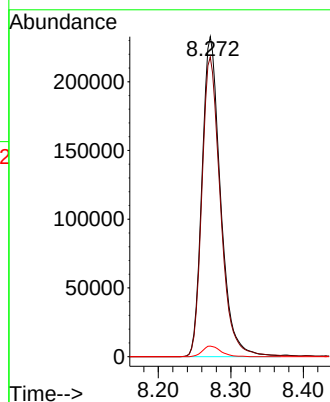
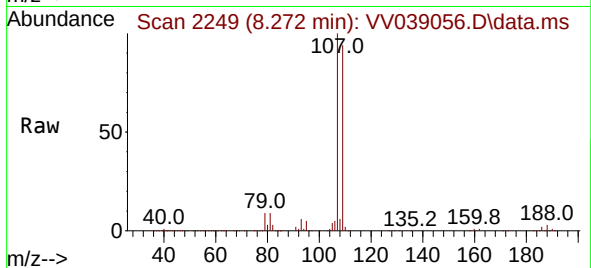
Tgt Ion:107 Resp: 413618

Ion Ratio Lower Upper

107 100

109 93.6 66.1 122.8

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 48.782 ug/L

RT: 8.802 min Scan# 2414

Delta R.T. 0.000 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

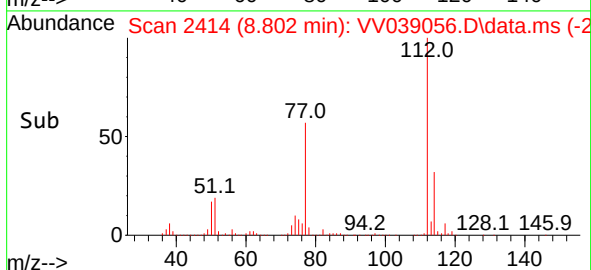
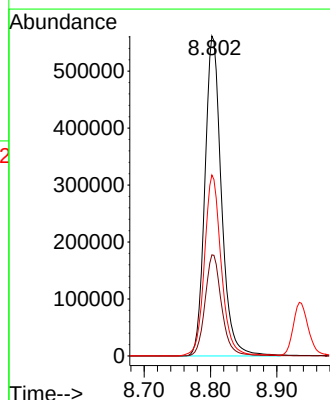
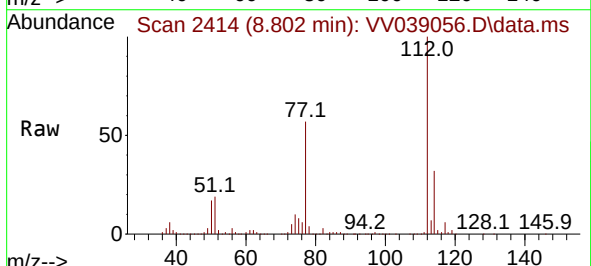
Tgt Ion:112 Resp: 974759

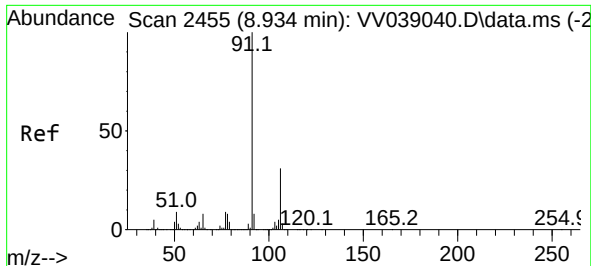
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.3

77 56.6 45.5 68.3

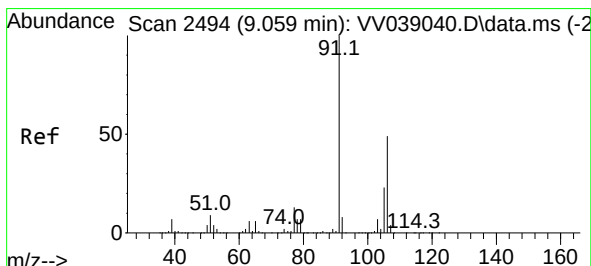
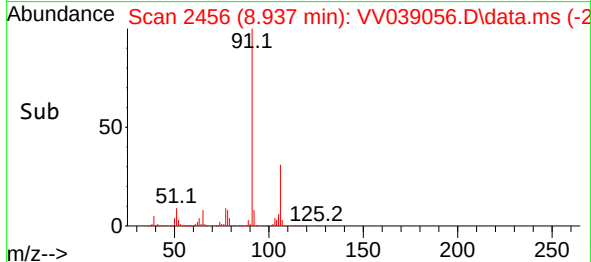
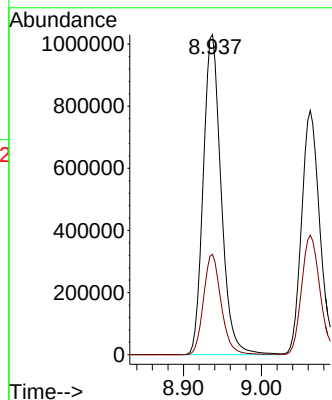
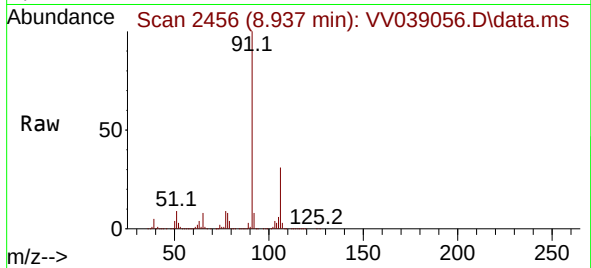




#52
Ethylbenzene
Concen: 50.755 ug/L
RT: 8.937 min Scan# 2455
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

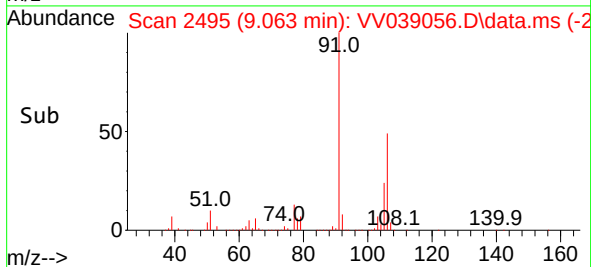
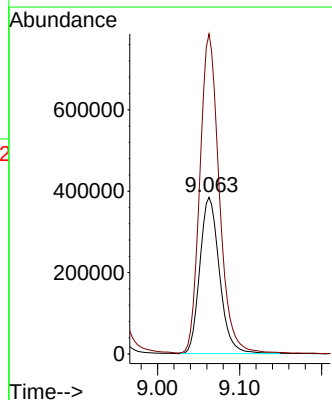
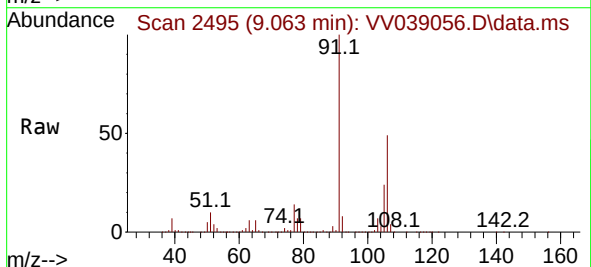
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

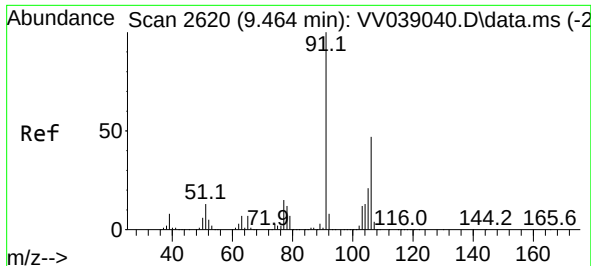
Tgt Ion: 91 Resp: 1642505
Ion Ratio Lower Upper
91 100
106 31.4 21.7 40.3



#53
m,p-Xylene
Concen: 51.607 ug/L
RT: 9.063 min Scan# 2495
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion: 106 Resp: 639068
Ion Ratio Lower Upper
106 100
91 204.2 142.0 263.8

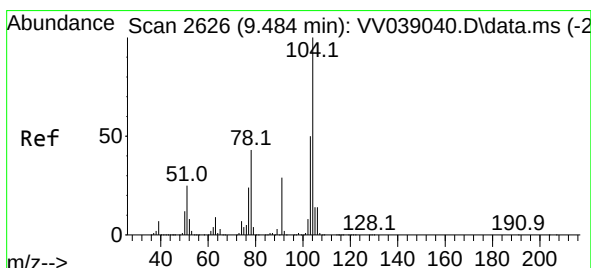
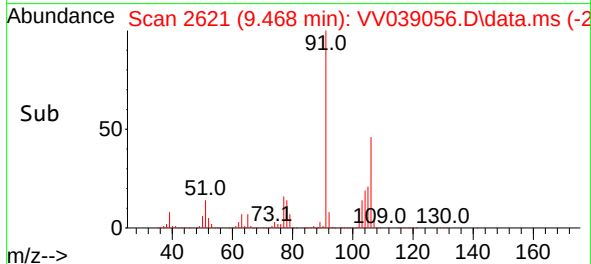
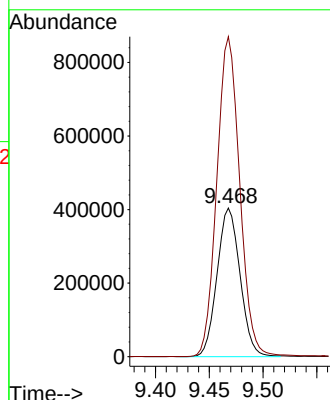
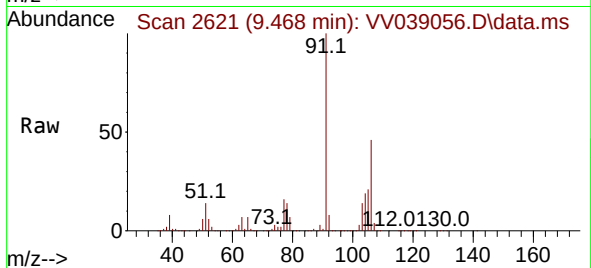




#54
o-Xylene
Concen: 52.475 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

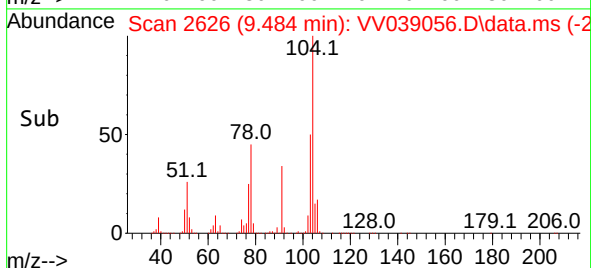
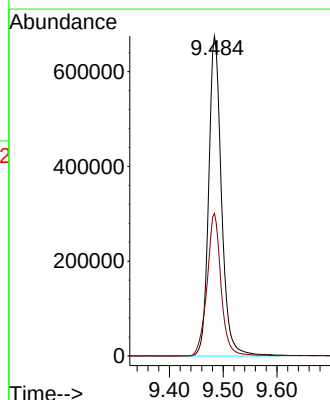
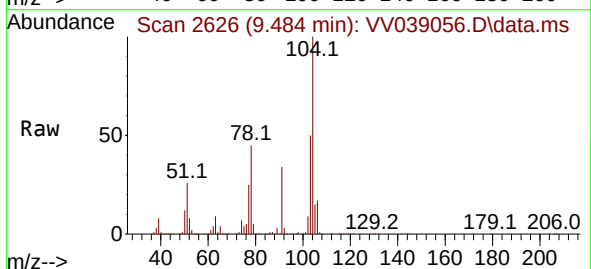
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

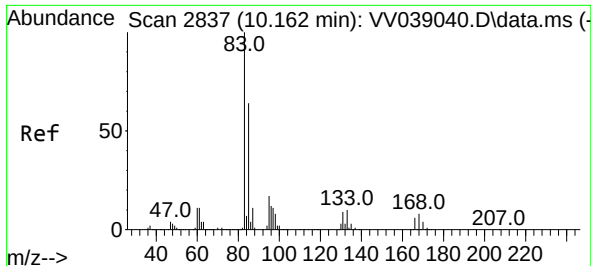
Tgt Ion:106 Resp: 601869
Ion Ratio Lower Upper
106 100
91 215.2 149.1 276.9



#55
Styrene
Concen: 55.285 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion:104 Resp: 1119921
Ion Ratio Lower Upper
104 100
78 44.5 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 51.851 ug/L

RT: 10.165 min Scan# 2837

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050329

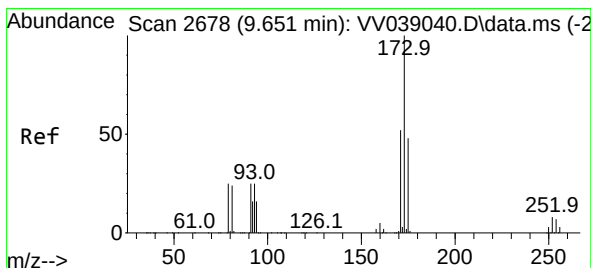
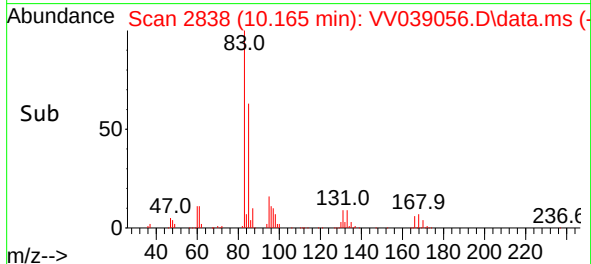
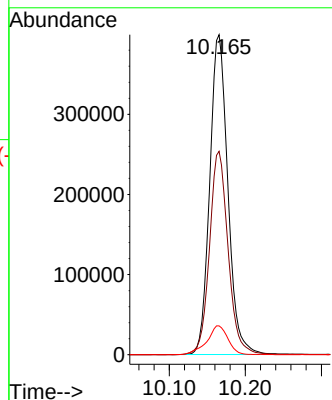
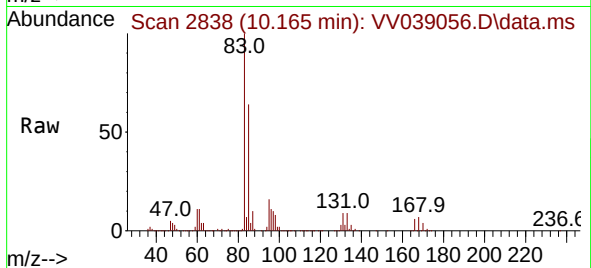
Tgt Ion: 83 Resp: 661254

Ion Ratio Lower Upper

83 100

85 63.5 44.8 83.2

131 9.0 7.6 11.4



#59

Bromoform

Concen: 48.409 ug/L

RT: 9.654 min Scan# 2679

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

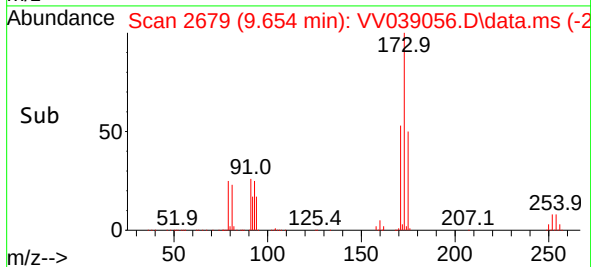
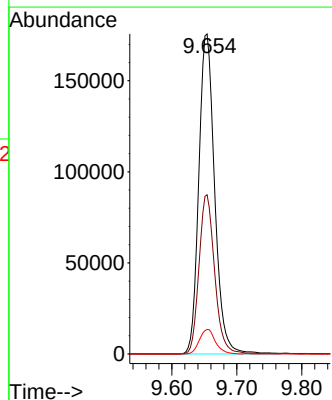
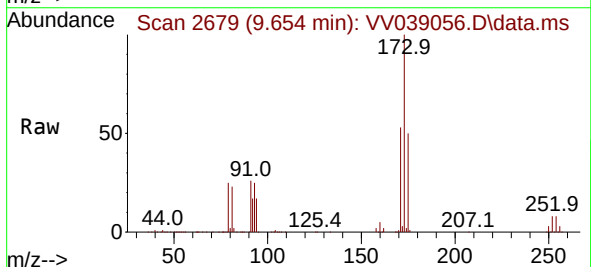
Tgt Ion: 173 Resp: 299145

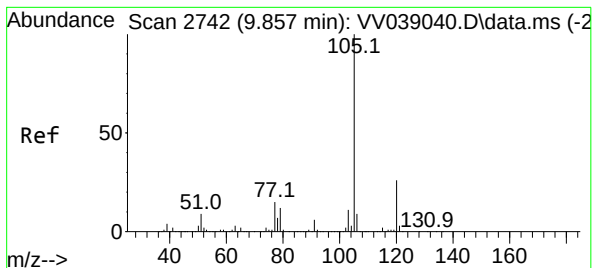
Ion Ratio Lower Upper

173 100

175 48.9 38.9 58.3

254 7.7 5.9 8.9





#60

Isopropylbenzene

Concen: 51.939 ug/L

RT: 9.857 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050329

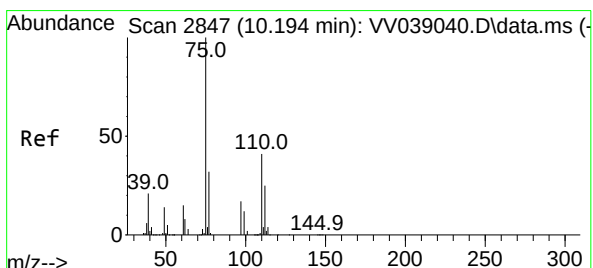
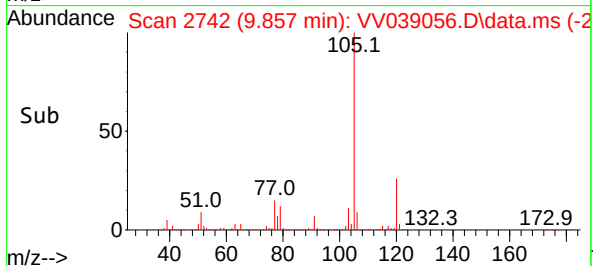
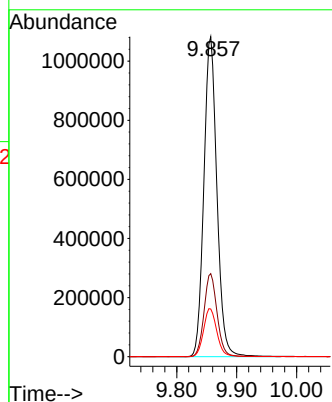
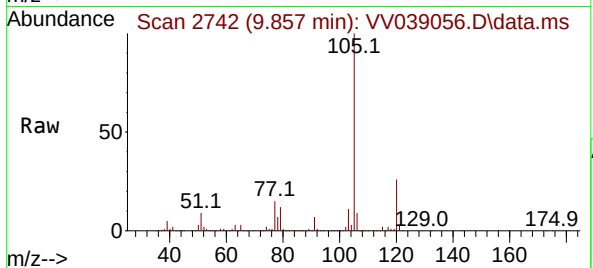
Tgt Ion:105 Resp: 1639206

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

77 15.3 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 52.431 ug/L

RT: 10.198 min Scan# 2848

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

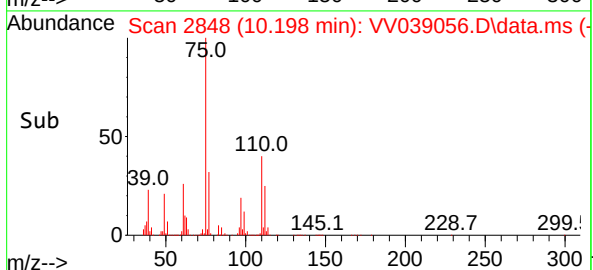
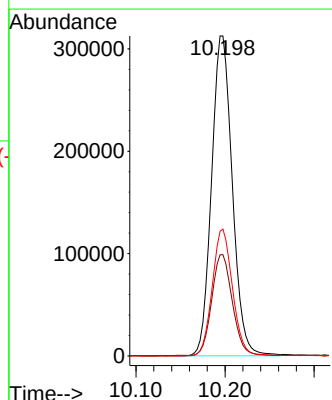
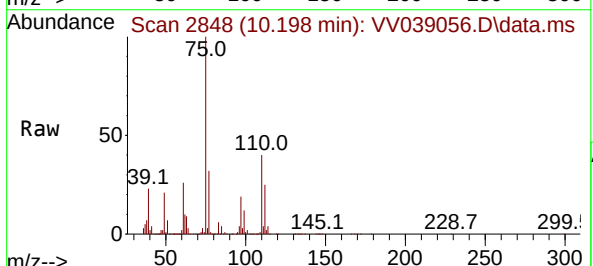
Tgt Ion: 75 Resp: 505234

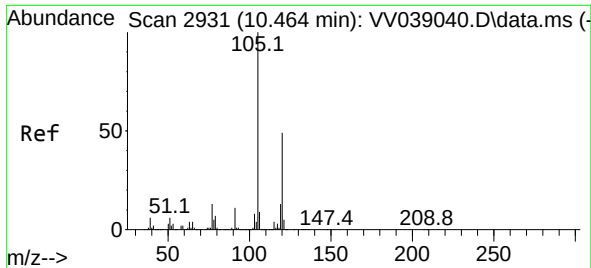
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

110 38.8 32.4 48.6

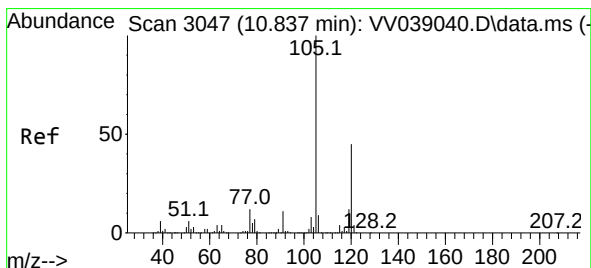
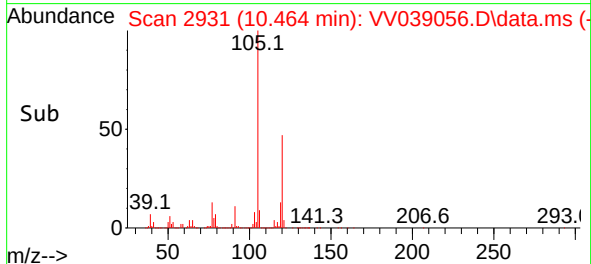
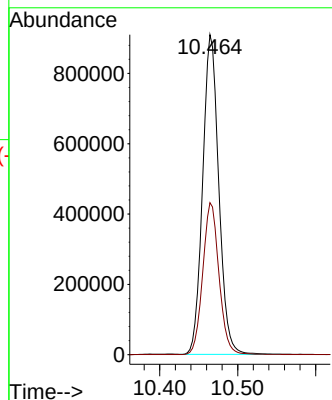
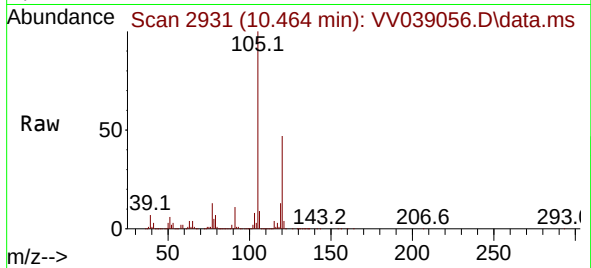




#62
 1,3,5-Trimethylbenzene
 Concen: 52.914 ug/L
 RT: 10.464 min Scan# 2931
 Delta R.T. 0.000 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

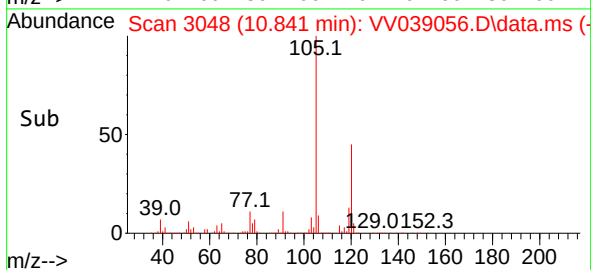
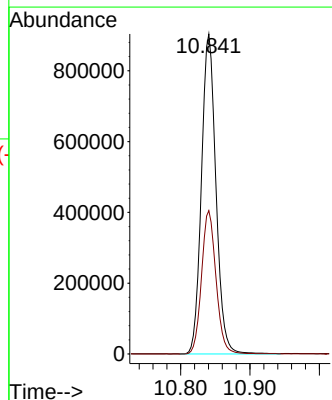
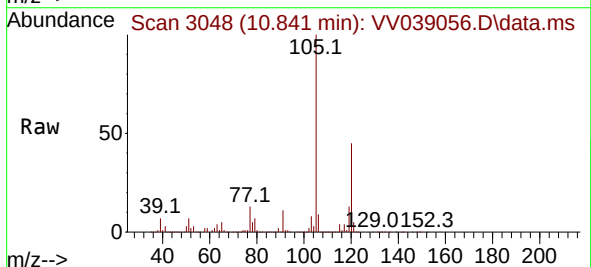
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050329

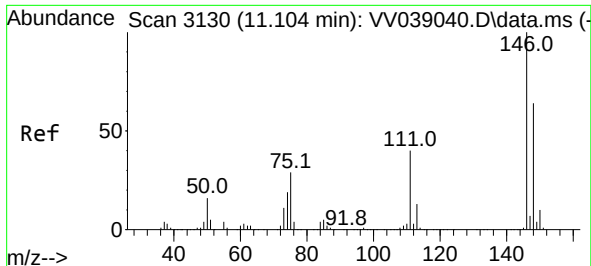
Tgt Ion:105 Resp: 1306154
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 53.604 ug/L
 RT: 10.841 min Scan# 3048
 Delta R.T. 0.003 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

Tgt Ion:105 Resp: 1311406
 Ion Ratio Lower Upper
 105 100
 120 44.6 36.1 54.1

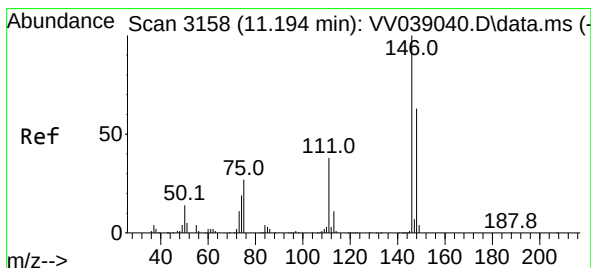
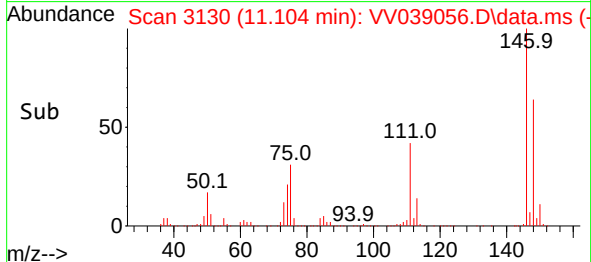
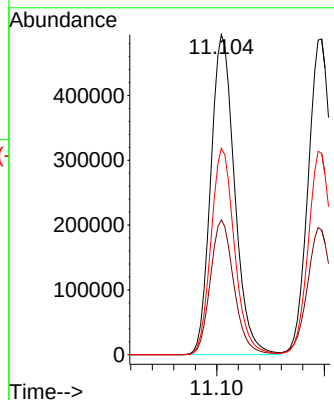
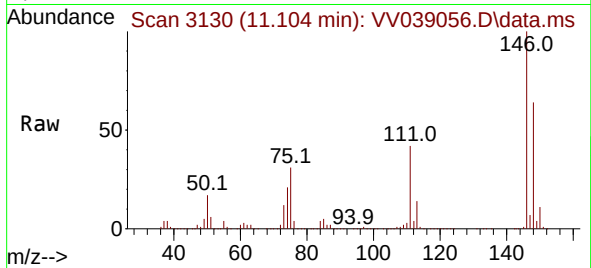




#64
1,3-Dichlorobenzene
Concen: 50.669 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. 0.000 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

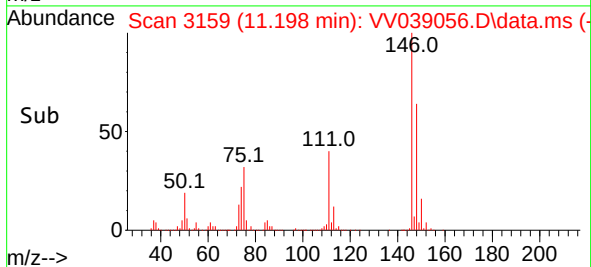
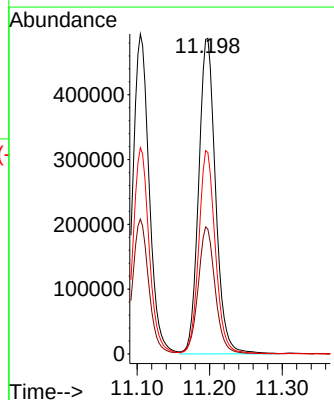
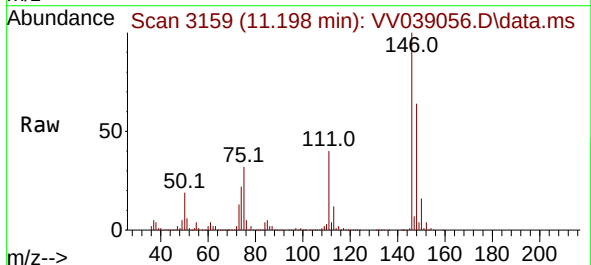
Instrument :
MSVOA_V
ClientSampleId :
VSTD050329

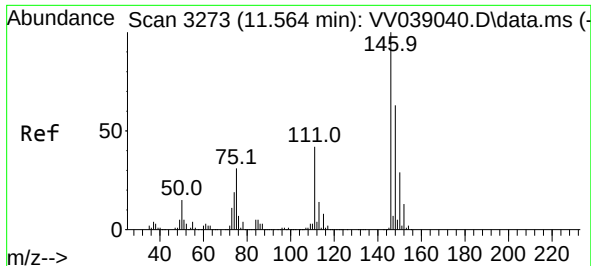
Tgt Ion:146 Resp: 761286
Ion Ratio Lower Upper
146 100
111 42.1 28.3 52.5
148 64.5 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 49.165 ug/L
RT: 11.198 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039056.D
Acq: 12 Sep 2025 13:00

Tgt Ion:146 Resp: 790734
Ion Ratio Lower Upper
146 100
111 39.5 27.0 50.2
148 63.8 44.0 81.6

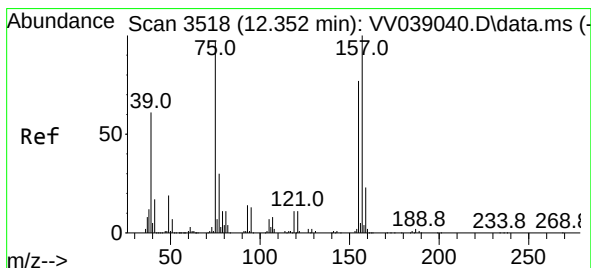
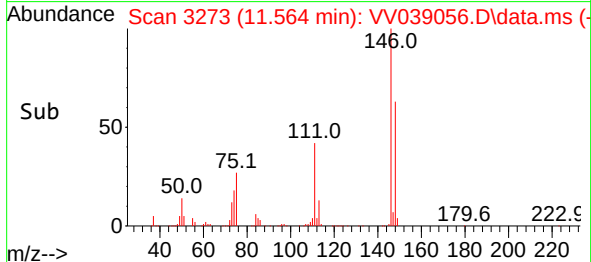
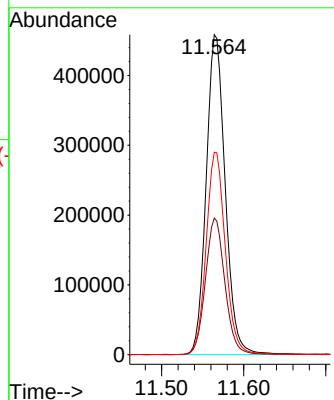
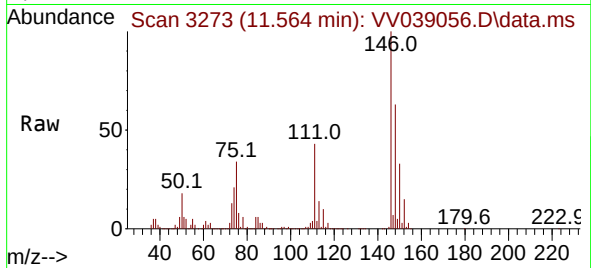




#67
 1,2-Dichlorobenzene
 Concen: 49.062 ug/L
 RT: 11.564 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

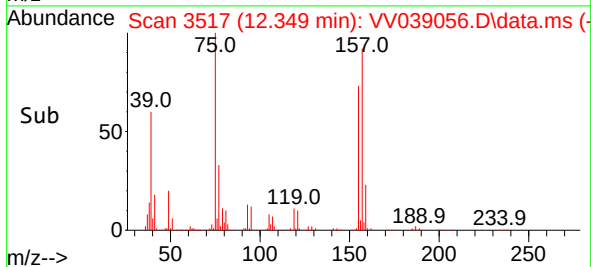
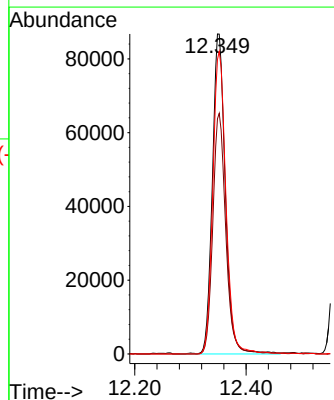
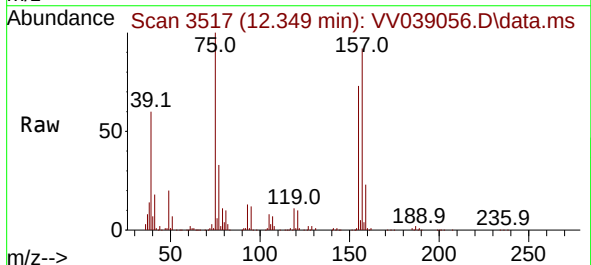
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050329

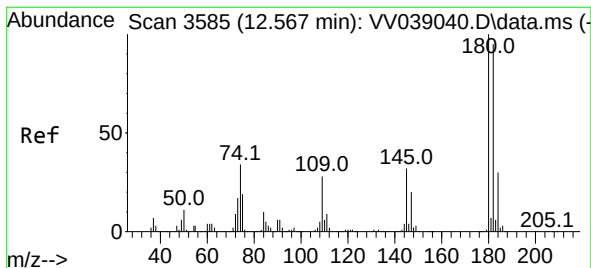
Tgt Ion:146 Resp: 737253
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.4 50.2
 148 63.2 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 51.865 ug/L
 RT: 12.349 min Scan# 3517
 Delta R.T. -0.003 min
 Lab File: VV039056.D
 Acq: 12 Sep 2025 13:00

Tgt Ion: 75 Resp: 140330
 Ion Ratio Lower Upper
 75 100
 155 73.5 63.7 95.5
 157 92.0 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 50.532 ug/L

RT: 12.570 min Scan# 3585

Delta R.T. 0.003 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050329

Tgt Ion:180 Resp: 490110

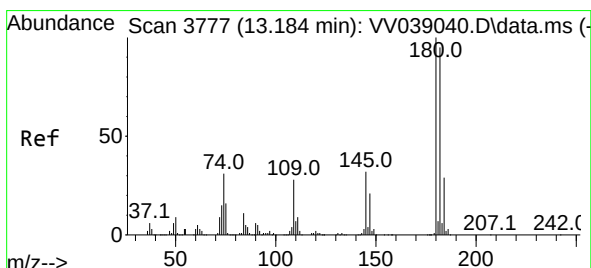
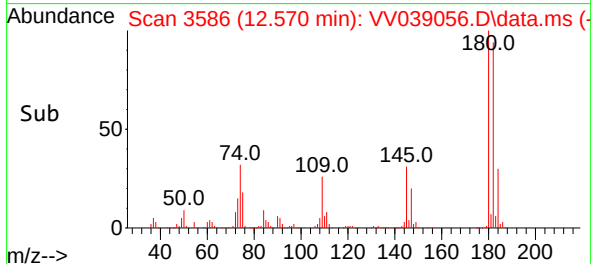
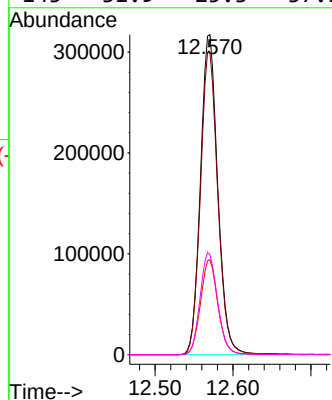
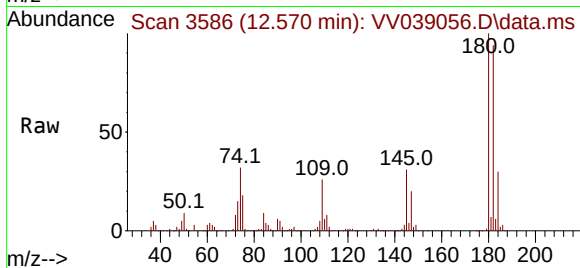
Ion Ratio Lower Upper

180 100

182 94.7 75.0 112.4

184 29.9 23.8 35.8

145 31.9 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 48.932 ug/L

RT: 13.185 min Scan# 3777

Delta R.T. 0.000 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

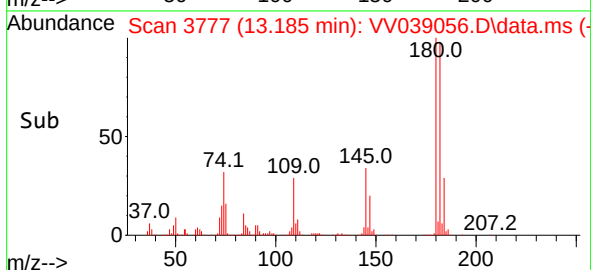
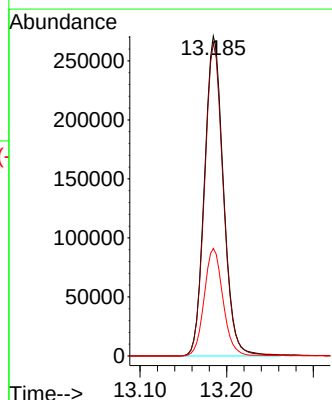
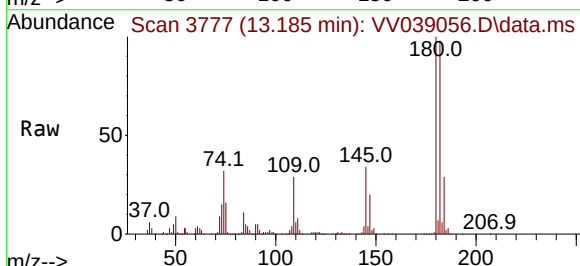
Tgt Ion:180 Resp: 412644

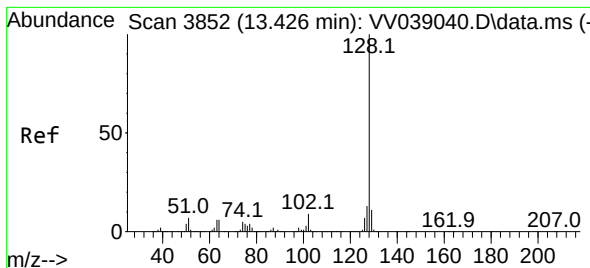
Ion Ratio Lower Upper

180 100

182 96.9 76.0 114.0

145 33.1 25.8 38.6





#71

Naphthalene

Concen: 53.487 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. 0.000 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050329

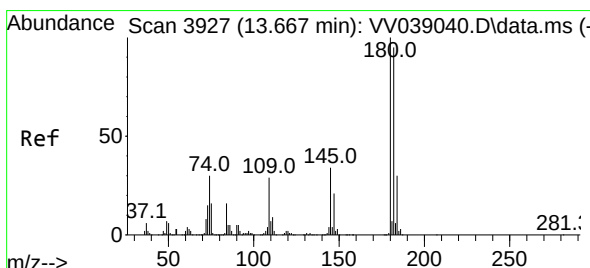
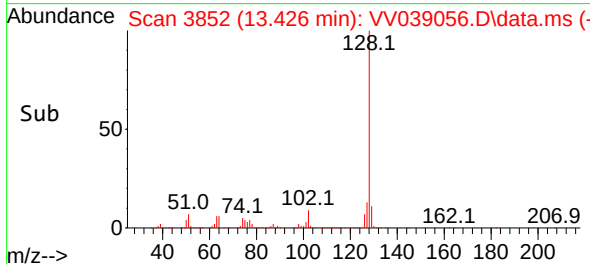
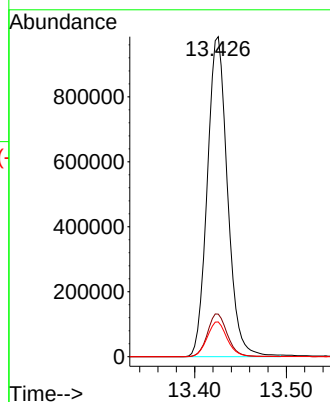
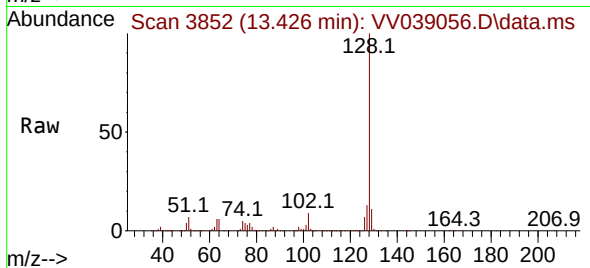
Tgt Ion:128 Resp: 1507984

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 52.700 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. 0.000 min

Lab File: VV039056.D

Acq: 12 Sep 2025 13:00

Tgt Ion:180 Resp: 461401

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 34.5 27.1 40.7

